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C 461
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MARINE CORPS ORDER 1510.103

From: Commandant of the Marine Corps
To: Distribution List

Subj: INDIVIDUAL TRAINING STANDARDS (ITS) SYSTEM FOR TANK AND
ASSAULT AMPHIBIAN OCCUPATIONAL FIELD (OCCFLD) 18, VOLUME 2
- ASSAULT AMPHIBIAN

Ref: (a) MCO 1510.34A
(b) MCO 1553.1B
(c) MCO 1553.2
(d) MCO 1553.3

Encl: (1) Components of an ITS
(2) ITS Management
(3) Index of Tasks by Training Location, Level of
Training, Sustainment, and Grade to Standard
(4) Common ITS Listing
(5) Training Support
(6) Individual Training Standards for Tank and Assault
Amphibian Occupational Field (OCCFLD) 18, Volume 2 -
Assault Amphibian

1. Purpose. To publish the ITS System for OccFld 18 in two
volumes.

a. Volume 1 contains the ITS System for the M1A1 Tank MOS's.

b. Volume 2 contains the ITS System for the Assault
Amphibian MOS's.

2. Cancellation. MCO 1510.76.

3. Background

a. The references establish the system used to publish all
training standards, provide policy, and assign responsibilities
for applying the Systems Approach to Training (SAT).

b. ITS's provide a common base of training for all Marines
who have the same MOS. They provide the basis for the SAT of all
individual training. ITS's are to be used by institutional and
unit commanders to determine proficiency of individual Marines,
to establish training plans and courses of instruction, and to

maintain a progressive and systematic method to monitor training impacts on Individual Career Development Plans.

c. ITS's are derived from Mission Performance Standards which come from combat requirements of the Fleet Marine Forces. Changes to doctrine, force structure, and the introduction of new weapons and equipment will require revision of this Order on a regular basis.

4. Summary of Revision. This Order has been revised in its entirety.

5. Information

a. ITS's are to be used by institutional and unit commanders to design, develop, conduct, and evaluate their individual training of Marines. Institutional commanders will derive Terminal Learning Objectives (TLO) and Enabling Learning Objectives (ELO) from the tasks and performance steps set forth herein. Task lists reported on Course Descriptive Data (CDD) submissions will consist of task titles contained in this Order. Unit commanders will use the tasks contained in this Order as the basis of individual training in their long range, short range, and near term training plans.

b. The ITS system for OccFld 18, Volume 2 contains the following:

(1) Enclosure (1) contains the components of an ITS.

(2) Enclosure (2) sets forth the ITS management, as it relates to use and maintenance.

(3) Enclosure (3) is an index of tasks by training location, level of training, sustainment, and grade to standard.

(4) Enclosure (4) is a listing of tasks common to two or more Assault Amphibian MOS's in OccFld 18.

(5) Enclosure (5) lists training support in five categories:

(a) Appendix A, Training Devices, Simulators, and Training Aids.

(b) Appendix B, Training Equipment.

(c) Appendix C, Ammunition, Explosives, and Pyrotechnics.

(d) Appendix D, Training Materials.

(e) Appendix E, Upgunned Weapons Station (UGWS) Standards of Performance.

(6) Enclosure (6) lists ITS's for each Assault Amphibian MOS in OccFld 18.

6. Action

a. Commanding General, Marine Corps Combat Development Command (MCCDC)

(1) Ensure that all units and institutions are using this Order to train personnel to the standards required of their grade and MOS.

(2) Ensure that the Marine Corps Institute (MCI) and the Training and Audiovisual Support Centers (TAVSC) provide standardized job aids and other training support requirements to facilitate training in units.

(3) Review, revise, and manage the upkeep of this Order in coordination with FMF Commanders, MOS/OccFld sponsors and with subject matter experts.

(4) Ensure coordination occurs with the Commander, Marine Corps Systems Command (MARCORSYSCOM) in order to identify and validate training and education support requirements for the development and acquisition of training support systems.

b. Commanding Generals of the Marine Forces Atlantic/Pacific and Supporting Establishment Commands; and Commanders of Separate Organizations not Commanded by a General Officer

(1) Use this Order to implement the SAT process for ASSAULT AMPHIBIAN training.

(2) Establish managed on-the-job-training (MOJT) programs to train Marines using the tasks to form the basis of initial, sustainment, or refresher training proficiencies in units both for ASSAULT AMPHIBIAN and command training plans.

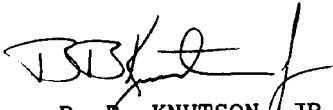
7. Submission of Recommendations and Requirements.

Recommendations concerning the contents of this Order are invited. Submit recommendations for change and recommended training requirements to the Commanding General, MCCDC (C 461) via the appropriate chain of command.

8. Mobilization. All ITS's in this Order will remain in effect during mobilization.

9. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

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COMPONENTS OF AN ITS

1. General. ITS's contain six components; task, condition(s), standard, performance steps, reference(s), and administrative instructions.
2. Alphanumeric System. Each ITS is identified by the MOS followed by a series of numbers which identify the Duty Area, and Task.
 - a. The MOS is identified by four Arabic numbers. The four numbers are the ones assigned to the MOS in the MCO P1200.7 (MOS Manual). For the Tank Officer MOS, the numeric designators would be 1833.X.X.
 - b. Duty areas are identified by ascending Arabic numerals and are numbered consecutively by MOS. The designator for the first duty area under MOS 1833 would be 1833.1.X.
 - c. Tasks within a duty area are numbered consecutively. The first task under the first duty area of MOS 1833 is numbered 1833.1.1. The second task under the third duty area of MOS 1833 is numbered 1833.3.2, and so forth.
3. ITS Components
 - a. Task. The task describes what a Marine has to do. It is a clearly stated, performance oriented action requiring a learned skill. Knowledge or enrichment topics which are required for the performance of a specific task are included in the Administrative Instructions. This type of information may very well comprise a separate class with its own ELO, but is not a separate task.
 - b. Condition(s). The conditions set forth the real world or wartime circumstances in which the tasks are to be performed. This element of an ITS underscores "realism" in training. When resources or safety requirements limit the conditions, this should be stated. It is important to understand that the conditions set forth in this Order are the minimum, and may be adjusted when applicable.
 - c. Standard. A standard is inviolate. It is not guidance, but a very carefully worded statement which sets the proficiency level expected when the task is performed. The standard should summarize the performance steps.
 - d. Performance Steps. There must be at least two performance steps for each task. Performance steps specify actions required to fulfill the proficiency established by the standard.
 - e. Reference(s). Reference(s) are doctrinal publications which provide the authority vested in the performance steps and references. References should be publications which are readily available.
 - f. Administrative Instructions. Administrative Instructions provide the trainer/instructor with special circumstances relating to the ITS such as safety, real world limitations, and knowledge or enrichment topics which may be a prerequisite to successful accomplishment of the ITS.

ITS MANAGEMENT

1. ITS Use

a. ITS's are the basis for all individual training in units and formal schools. Since ITS's are written for every MOS they specify every proficiency Marines are required to achieve as individuals in support of their unit combat missions.

b. ITS's provide measures of performance that must be used by unit commanders to both diagnose individual deficiencies and to evaluate training. Deficiencies should be recorded and scheduled on future training plans. ITS's which are mastered should be recorded in individual training records and scheduled for sustainment/refresher training in the future.

c. Institution commanders are responsible for providing instruction based on ITS's. These selected ITS's appear as tasks on item number 24 of the Course Descriptive Data. Using the SAT process, institutional commanders formulate programs of instruction (POI) which fulfill the requirements of the operating forces.

d. Unit and institution commanders must work in tandem so that individuals continue to receive instruction until mandated proficiencies are achieved. Individual training cannot and should not cease upon graduation from a formal school. Schools do not have the resources (people, time, money) to teach every ITS required for MOS proficiency. Unit commanders must recognize this and continue individual training. When Marines do achieve proficiencies, unit commanders must systematically record these proficiencies and establish periodic sustainment training according to the frequency set forth in enclosure (3).

2. ITS Maintenance

a. ITS's exist because of the threat. Changes which occur must be reflected in ITS's as a team effort of the formal schools, the operating forces, and staff agencies at Headquarters, U.S. Marine Corps and at the Marine Corps Combat Development Command. Changes in the threat, new weapons/equipment and doctrine will require new or updated training proficiencies.

b. ITS's are validated when they are used by institution and unit commanders. Changes can be initiated by units, institutions, or higher headquarters. In order to ensure quality training, ITS's must be updated continuously. Input will be systematically collected, staffed, and incorporated into ITS's at least annually.

c. ITS users should be critical of the ITS's as a whole as they support or fail to support a particular MOS.

d. Specific components of an ITS should also be examined for realism and pertinence.

e. ITS Management is dynamic. User maintenance is the key to refining proficiencies which best serve unit missions.

INDEX OF TASKS BY TRAINING LOCATION, LEVEL OF TRAINING, SUSTAINMENT,
AND GRADE TO STANDARD

1. This enclosure identifies where ITS's are taught, Training Location; the Level of Training regarding proficiency, "P" for preliminary, not to standard, and "S" for trained to standard; and the lowest grade required to demonstrate proficiency in each ITS.
2. The Training Location is either Formal School (FS) or MOJT.
3. Sustainment training is always the responsibility of the unit commander. The number in the MOJT column represents the number of months between evaluation or retraining to maintain the proficiency required by the standard.

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
	MOS 1803, ASSAULT AMPHIBIAN VEHICLE OFFICER			
1803.1.1 DEVELOP AAV BATTALION TRAINING DIRECTIVES/ POLICY		S/12	CAPT
1803.1.2 DEVELOP AAV UNIT TRAINING SCHEDULE		S/12	LT
1803.1.3 EVALUATE AAV RELATED TRAINING EFFECTIVENESS		S/12	LT
1803.1.4 PRESENT AAV UNIT TRAINING		S/12	LT
1803.1.5 SUPERVISE AAV UNIT TRAINING		S/6	LT
1803.1.6 CONDUCT SURF SURVIVAL TRAINING		S/12	LT
1803.1.7 SUPERVISE SURF SURVIVAL TRAINING		S/12	LT
1803.2.1 DIRECT COMBAT SERVICE SUPPORT OPERATIONS	P	S/6	LT
1803.2.2 CONDUCT VEHICLE INSPECTION OF AAV UNIT	P	S/6	LT
1803.2.3 MONITOR DAILY PROCESS REPORT (DPR)	S	S/6	LT
1803.2.4 INSPECT COMPLETED MAINTENANCE WORK	P	S/6	LT
1803.2.5 INSPECT ORDNANCE VEHICLE LOGBOOK	S	S/6	LT
1803.2.6 DETERMINE LOGISTICS SUPPORT REQUIREMENTS	P	S/12	LT
1803.2.7 SUPERVISE PREVENTIVE MAINTENANCE CHECKS AND SERVICES OF AAV UNIT	P	S/6	LT
1803.2.8 INSPECT AAV COMPONENTS	P	S/6	LT
1803.3.1 DEVELOP PLANS TO EMBARK AAV UNIT	P	S/12	LT
1803.3.2 DIRECT PREPARATIONS FOR AMPHIBIOUS EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT	P	S/12	LT
1803.3.3 INSPECT AAV UNIT EMBARKATION PROCEDURES	P	S/12	LT
1803.3.4 DIRECT PREPARATION FOR EMBARKATION OF AAV'S ONTO AIRCRAFT		S/12	LT
1803.3.5 CONDUCT AMPHIBIOUS EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT	P	S/12	LT
1803.3.6 CONDUCT LAND EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT	P	S/12	LT
1803.3.7 CONDUCT EMBARKATION OF AAV'S ONTO AIRCRAFT		S/12	LT
1803.3.8 PROVIDE INPUT FOR LOAD PLANNING OF AAV EQUIPMENT	P	S/12	LT
1803.4.1 ADVISE SUPPORTED UNIT COMMANDER ON UTILIZATION OF AAV UNIT	P	S/12	LT

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
1803.4.2 CONTROL RADIO COMMUNICATIONS OF AAV UNIT	P	S/6	LT
1803.4.3 CONTROL AAV UNIT/TEAM MANEUVER ELEMENTS	P	S/12	LT
1803.4.4 CONTROL AAV COMPANY/TEAM TECHNIQUES OF MOVEMENT	P	S/12	CAPT
1803.4.5 DIRECT A TACTICAL ROAD MARCH	P	S/12	LT
1803.4.6 DIRECT A RELIEF IN PLACE AT COMPANY LEVEL	P	S/12	LT
1803.4.7 DIRECT A BATTLE HANDOVER/PASSAGE OF LINES AT COMPANY LEVEL	P	S/12	LT
1803.4.8 DIRECT ASSEMBLY AREA ACTIVITIES	P	S/12	LT
1803.4.9 NAVIGATE FROM AN AAV	S	S/6	LT
1803.4.10 TASK ORGANIZE AN AAV UNIT/TEAM	P	S/12	LT
1803.5.1 SUPERVISE AAV TROOPLADING	P	S/12	LT
1803.5.2 ACCOUNT FOR PERSONNEL EMBARKED ON AAV'S	P	S/12	LT
1803.5.3 ANALYZE LANDING PLANS	P	S/12	LT
1803.5.4 CONDUCT AAV UNIT BRIEFING	S	/12	LT
1803.5.5 ADVISE SUPPORTED UNIT COMMANDER	P	S/12	LT
1803.5.6 COORDINATE DEBARKATION PLANS WITH NAVAL PERSONNEL	P	S/12	LT
1803.5.7 COORDINATE RE-EMBARKATION PLANS WITH NAVAL PERSONNEL	P	S/12	LT
1803.5.8 DIRECT THE EXECUTION OF AAV UNIT WATERBORNE SHIP-TO-SHORE MOVEMENT	P	S/12	LT
1803.5.9 SUPERVISE PREPARATION OF AAV ELEMENT FOR DEBARKATION	P	S/12	LT
1803.6.1 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN COMBAT OPERATIONS	P	S/12	LT
1803.6.2 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN SPECIAL COMBAT OPERATIONS	P	S/12	LT
1803.6.3 ADVISE SUPPORTED UNIT COMMANDER ON MOVEMENT TECHNIQUES USING AAV'S	P	S/12	LT
1803.6.4 DIRECT AN AAV UNIT IN EXECUTING AN EXPLOITATION		S/12	LT
1803.6.5 DIRECT AN AAV UNIT IN EXECUTING A DISENGAGEMENT		S/12	LT
1803.6.6 DIRECT AN AAV UNIT IN THE EXECUTION OF A BREAKOUT FROM ENCIRCLEMENT	P	S/12	LT
1803.6.7 DIRECT A DELAY		S/12	LT
1803.6.8 DIRECT A HASTY BREACH	P	S/12	LT
1803.6.9 DIRECT A HASTY DEFENSE	P	S/12	LT
1803.6.10 DIRECT A MOVEMENT TO CONTACT	P	S/12	LT
1803.6.11 DIRECT A RIVERINE OPERATION	P	S/12	LT
1803.6.12 ORDER OPERATIONAL CHECKS OF MATERIEL	P	S/12	LT
1803.6.13 SUPERVISE PREPARATION OF AAV UNIT BATTLE POSITIONS	P	S/12	LT
1803.6.14 SUPERVISE RECOVERY OF A DISABLED AAV	P	S/6	LT
1803.6.15 SCAN AREA OF OPERATION	P	S/6	LT

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
1803.6.16 IDENTIFY COMBAT VEHICLES	S	/6	LT
1803.6.17 CAMOUFLAGE AN AAV	S	/6	LT
1803.7.1 DIRECT AAV UNIT CROSSING OF NUCLEAR CONTAMINATED AREA	P	S/12	LT
1803.7.2 SUPERVISE DELIBERATE DECONTAMINATION PROCEDURES FOR AAV'S	P	S/12	LT
1803.7.3 SUPERVISE HASTY DECONTAMINATION PROCEDURES FOR AAV'S	P	S/12	LT
1803.7.4 SUPERVISE PREPARATION OF AAV'S FOR NUCLEAR ATTACK	P	S/12	LT
1803.7.5 SUPERVISE PREPARATION OF AAV'S FOR CHEMICAL ATTACK	P	S/12	LT
1803.7.6 MAINTAIN THE FIELD PROTECTIVE MASK	S	/6	LT
1803.7.7 CONDUCT HASTY DECONTAMINATION	P	S/12	LT
1803.7.8 DECONTAMINATE EQUIPMENT USING M13 DECONTAMINATING APPARATUS, PORTABLE	P	S/12	LT
1803.7.9 DECONTAMINATE EQUIPMENT USING ABC-M11 DECONTAMINATING APPARATUS	P	S/12	LT
1803.7.10 USE AN/PDR-27 SERIES RADIAC SET	P	S/12	LT
1803.8.1 BRIEF CREW	S	/6	LT
1803.8.2 OPERATE AAVP7A1 SYSTEM COMPONENTS	S	/6	LT
1803.8.3 OPERATE NIGHT VISION GOGGLES	P	S/6	LT
1803.8.4 COMMUNICATE USING AAVP7A1 COMMUNICATION EQUIPMENT	P	S/6	LT
1803.8.5 COMMUNICATE USING THE AAVC7A1 COMMUNICATIONS SYSTEM	P	S/6	LT
1803.8.6 SUPERVISE PERSONNEL HANDLING AMMUNITION		S/6	LT
1803.9.1 MAINTAIN THE M60D 7.62MM MACHINEGUN	S	/6	LT
1803.9.2 INSTALL M60D 7.62MM MACHINEGUN ON AN AAVC7A1	S	/6	LT
1803.9.3 REMOVE M60D 7.62MM MACHINEGUN FROM AN AAVC7A1	S	/6	LT
1803.9.4 LOAD CALIBER .50 M2 HB MACHINEGUN ON AAV	S	/6	LT
1803.9.5 UNLOAD CALIBER .50 M2 HB MACHINEGUN ON AAV	S	/6	LT
1803.9.6 LOAD MK19 MOD3 MACHINEGUN ON AAV	S	/6	LT
1803.9.7 UNLOAD MK19 MOD3 MACHINEGUN ON AAV	S	/6	LT
1803.9.8 APPLY FAILURE TO FIRE PROCEDURES FOR CALIBER .50 M2 HB MACHINEGUN	S	/6	LT
1803.9.9 APPLY FAILURE TO FIRE PROCEDURES FOR MK19 MOD3 MACHINEGUN	S	/6	LT
1803.9.10 OPERATE UPGUNNED WEAPONS STATION (UGWS)	S	/6	LT
1803.9.11 ENGAGE TARGETS WITH THE AAVP7A1 WEAPONS STATION	P	S/12	LT
1803.9.12 DIRECT AAV PLATOON FIRES	P	S/12	LT
	MOS 1833, ASSAULT AMPHIBIAN VEHICLE CREWMAN			
1833.1.1 MAINTAIN ORDNANCE VEHICLE LOGBOOK	P	S/6	LCPL
1833.1.2 MAINTAIN AAVP7A1	S	/6	PVT

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
1833.1.3	MAINTAIN AAVP7A1 COMMUNICATIONS EQUIPMENT	S	/6	PVT
1833.1.4	ORDER OPERATIONAL CHECKS OF MATERIEL	P	S/12	SSGT
1833.1.5	MAINTAIN AN/PVS-5 NIGHT VISION GOGGLES	P	S/6	PVT
1833.1.6	CONDUCT PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON AAV	S	/6	PVT
1833.1.7	MAINTAIN NIGHT VISION VIEWER	S	/6	PVT
1833.1.8	MAINTAIN THE FIELD PROTECTIVE MASK	S	/6	PVT
1833.1.9	SUPERVISE PREVENTIVE MAINTENANCE CHECKS AND SERVICES OF AAV UNIT	P	S/6	SSGT
1833.1.10	TROUBLESHOOT AN/VVS-2 NIGHT VISION VIEWER	P	S/6	PVT
1833.1.11	TROUBLESHOOT CBR SYSTEM ON AAV	P	S/6	LCPL
1833.1.12	CONDUCT VEHICLE INSPECTION OF AAV UNIT	P	S/6	GYSGT
1833.1.13	INITIATE A WORK REQUEST (ERO)	P	S/6	SGT
1833.1.14	PREPARE AN ERO SHOPPING LIST (EROSL)	P	S/6	SGT
1833.1.15	INSPECT AAV COMPONENTS	P	S/6	SGT
1833.1.16	MONITOR DAILY PROCESS REPORT (DPR)	P	S/6	SSGT
1833.1.17	INSPECT COMPLETED MAINTENANCE WORK	P	S/6	SSGT
1833.1.18	INSPECT TRACKED VEHICLE LOGBOOK	S	/6	SSGT
1833.1.19	DETERMINE LOGISTICS SUPPORT REQUIREMENTS	P	S/6	GYSGT
1833.1.20	MAINTAIN ENHANCED APPLIQUE' ARMOR KIT		S/6	CPL
1833.2.1	ASSIST IN DEVELOPING PLANS TO EMBARK AAV UNIT	P	S/12	SSGT
1833.2.2	ASSIST IN DIRECTING PREPARATIONS FOR AMPHIBIOUS EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT	P	S/12	SSGT
1833.2.3	ASSIST IN INSPECTING AAV UNIT EMBARKATION PROCEDURES	P	S/12	SSGT
1833.2.4	ASSIST IN SUPERVISING PREPARATION FOR EMBARKATION OF AAV'S ONTO AIRCRAFT		S/12	SGT
1833.2.5	CONDUCT LAND EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT	P	S/6	PVT
1833.2.6	CONDUCT EMBARKATION OF AAV'S ONTO AIRCRAFT		S/12	SGT
1833.3.1	COMMUNICATE USING VISUAL SIGNALS	S	/6	PVT
1833.3.2	CONTROL RADIO COMMUNICATIONS OF AAV SECTION	P	S/6	SGT
1833.3.3	CONTROL AAV SECTION MOVEMENT	P	S/6	SGT
1833.3.4	CONTROL UNIT FIRE/MANEUVER	P	S/6	SSGT
1833.3.5	NAVIGATE FROM AN AAV		S/6	LCPL
1833.3.6	SCAN AREA OF OPERATION	P	S/6	LCPL
1833.3.7	IDENTIFY COMBAT VEHICLES	S	/6	PVT
1833.4.1	CONDUCT AMPHIBIOUS EMBARKATION OF AAV'S	P	S/6	LCPL
1833.4.2	CONDUCT AAV TROOP LOADING	P	S/6	CPL

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
1833.4.3 ACCOUNT FOR EMBARKED PERSONNEL	P	S/12	CPL
1833.4.4 DEBARK AAV FROM SHIP	P	S/12	LCPL
1833.4.5 UNLOAD TROOPS AT INLAND POSITION	P	S/12	PVT
1833.5.1 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN COMBAT OPERATIONS	P	S/12	SGT
1833.5.2 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN SPECIAL COMBAT OPERATIONS	P	S/12	SSGT
1833.5.3 CAMOUFLAGE AN AAV	S	/6	PVT
1833.5.4 BREACH AN OBSTACLE		S/12	LCPL
1833.5.5 DEMOLITION TO PREVENT ENEMY USE	P	S/12	LCPL
1833.5.6 IDENTIFY LIKELY ENEMY POSITIONS	P	S/6	SGT
1833.5.7 PREPARE AMMUNITION FOR STOWAGE	P	S/6	LCPL
1833.5.8 INSTALL A WIRE COMMUNICATIONS HOT LOOP	P	S/6	PVT
1833.5.9 PREPARE AAV FIRING POSITIONS	P	S/6	LCPL
1833.5.10 SUPERVISE PERSONNEL HANDLING AMMUNITION		S/6	SGT
1833.5.11 SUPERVISE PREPARATION OF BATTLE POSITIONS	P	S/6	SSGT
1833.5.12 SUPERVISE RECOVERY OF A DISABLED AAV	P	S/6	SSGT
1833.5.13 PREPARE AAV RANGE CARD	P	S/6	CPL
1833.6.1 DIRECT AAV UNIT CROSSING OF NUCLEAR CONTAMINATED AREA	P	S/12	SSGT
1833.6.2 MARK NBC CONTAMINATED AREA	P	S/12	PVT
1833.6.3 CONDUCT HASTY DECONTAMINATION	P	S/12	PVT
1833.6.4 CONDUCT MOPP GEAR EXCHANGE AS PART OF HASTY DECONTAMINATION OPERATION		S/12	SGT
1833.6.5 PREPARE AAV FOR NUCLEAR BLAST	P	S/6	CPL
1833.6.6 PREPARE AAV FOR CHEMICAL ATTACK	P	S/6	LCPL
1833.6.7 SUPERVISE PREPARATION OF AAV'S FOR CHEMICAL ATTACK		S/6	SSGT
1833.6.8 SUPERVISE DELIBERATE DECONTAMINATION PROCEDURES FOR AAV'S		S/12	SSGT
1833.6.9 SUPERVISE HASTY DECONTAMINATION PROCEDURES FOR AAV'S	P	S/12	SSGT
1833.6.10 SUPERVISE PREPARATION OF AAV'S FOR NUCLEAR ATTACK		S/12	SSGT
1833.6.11 OPERATE CBR SYSTEM ON AAV		S/12	PVT
1833.6.12 DECONTAMINATE EQUIPMENT USING M13 DECONTAMINATING APPARATUS, PORTABLE	P	S/12	PVT
1833.6.13 DECONTAMINATE EQUIPMENT USING ABC-M11 DECONTAMINATING APPARATUS	P	S/12	PVT
1833.6.14 USE AN/PDR-27 SERIES RADIAC SET	P	S/12	LCPL
1833.7.1 BRIEF CREW	S	/6	SSGT
1833.7.2 CONDUCT PASSENGER ORIENTATION AND SAFETY BRIEF	P	S/6	CPL
1833.7.3 OPERATE AAVP7A1 SYSTEM COMPONENTS	S	/6	PVT

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
1833.7.4 DEMONSTRATE AAV CREW FUNCTIONS	P	S/12	LCPL
1833.7.5 PERFORM AAV GROUND GUIDE SIGNALS	S	/6	PVT
1833.7.6 OPERATE NIGHT VISION GOGGLES	P	S/6	PVT
1833.7.7 COMMUNICATE USING AAVP7A1 COMMUNICATION EQUIPMENT	S	/6	PVT
1833.7.8 DRIVE AN AAV ON LAND	S	/6	PVT
1833.7.9 OPERATE AN AAV IN THE WATER	S	/6	PVT
1833.7.10 SLAVE START AN AAV	S	/6	LCPL
1833.7.11 TOW START AN AAV	P	S/6	LCPL
1833.7.12 REFUEL AN AAV	P	S/6	PVT
1833.7.13 SCREEN MOVEMENT WITH SMOKE GENERATOR ON AAV	P	S/6	CPL
1833.7.14 DIRECT EVACUATION OF EMBARKED PERSONNEL FROM AAV IN EMERGENCY SITUATION	P	S/6	LCPL
1833.7.15 LOAD CARGO	P	S/6	LCPL
1833.7.16 COMMUNICATE USING THE AAVC7A1 COMMUNICATIONS SYSTEM	P	S/6	CPL
1833.7.17 RECOVER DISABLED AAV IN WATER USING OTHER AAV'S	P	S/6	LCPL
1833.7.18 RECOVER A DISABLED AAV	P	S/6	LCPL
1833.7.19 TRANSPORT CASUALTIES	P	S/6	PVT
1833.7.20 OPERATE AN/VVS-2 NIGHT VISION VIEWER FROM AAV	P	S/6	PVT
1833.7.21 ASSIST IN DEVELOPING AAV UNIT TRAINING SCHEDULE		S/12	SSGT
1833.7.22 ASSIST IN EVALUATING AAV RELATED TRAINING EFFECTIVENESS		S/12	MSGT
1833.7.23 PRESENT AAV UNIT TRAINING	P	S/12	SSGT
1833.7.24 SUPERVISE AAV UNIT TRAINING	P	S/6	SSGT
1833.7.25 CONSOLIDATE LOGISTICAL SUPPORT REQUIREMENTS	P	S/6	SSGT
1833.7.26 PROVIDE INPUT CONCERNING SUPPORT REQUIREMENTS TO SUPERVISOR		S/6	SGT
1833.7.27 SUPERVISE RESUPPLY OF AAV UNIT	P	S/6	SSGT
1833.7.28 CONDUCT SURF SURVIVAL TRAINING	P	S/12	SSGT
1833.7.29 SUPERVISE SURF SURVIVAL TRAINING	P	S/12	GYSGT
1833.7.30 START ENGINE UNDER FREEZING CONDITIONS	P	S/6	PVT
1833.8.1 LOAD M257 GRENADE DISCHARGER ON AAV	S	/6	PVT
1833.8.2 FIRE M257 GRENADE DISCHARGER ON AAV		S/6	LCPL
1833.8.3 MAINTAIN THE MACHINEGUNS FOR THE AAV UGWS	P	S/6	PVT
1833.8.4 MAINTAIN THE M60D 7.62MM MACHINEGUN	S	/6	PVT
1833.8.5 INSTALL MACHINEGUNS WITHIN THE AAV UPGUNNED WEAPONS STATION (UGWS)	P	S/6	PVT
1833.8.6 REMOVE MACHINEGUNS FROM THE AAV UPGUNNED WEAPONS STATION (UGWS)	P	S/6	PVT
1833.8.7 INSTALL M60D 7.62MM MACHINEGUN ON AN AAVC7A1	S	/6	PVT

TASK NUMBER	TASK	FS	MOJT SUST	GRADE
1833.8.8 REMOVE M60D 7.62MM MACHINEGUN PROM AN AAVC7A1	S	/6	PVT
1833.8.9 SET HEADSPACE AND TIMING ON CALIBER .50 M2 HB MACHINEGUN	P	S/6	LCPL
1833.8.10 LOAD CALIBER .50 M2 HB MACHINEGUN ON AAV	S	/6	LCPL
1833.8.11 UNLOAD CALIBER .50 M2 HB MACHINEGUN ON AAV	S	/6	LCPL
1833.8.12 BORESIGHT MACHINEGUNS ON AAV	P	S/6	LCPL
1833.8.13 ZERO CALIBER .50 M2 HB MACHINEGUN ON AN AAV	S	/12	CPL
1833.8.14 LOAD MK19 MOD3 MACHINEGUN ON AAV	S	/6	PVT
1833.8.15 UNLOAD MK19 MOD3 MACHINEGUN ON AAV	S	/6	PVT
1833.8.16 ZERO THE MK-19 MOD 3 40MM MACHINEGUN IN THE UGWS	S	/12	CPL
1833.8.17 APPLY FAILURE TO FIRE PROCEDURES FOR CALIBER .50 M2 HB MACHINEGUN	P	S/6	PVT
1833.8.18 APPLY FAILURE TO FIRE PROCEDURES FOR MK19 MOD3 MACHINEGUN	P	S/6	PVT
1833.8.19 ENGAGE TARGETS WITH THE AAVP7A1 WEAPONS STATION	P	S/12	PVT
1833.8.20 DIRECT AAV SECTION FIRES	P	S/12	SSGT
1833.8.21 MAINTAIN UPGUNNED WEAPONS STATION (UGWS)	S	/6	LCPL
1833.8.22 OPERATE UPGUNNED WEAPONS STATION (UGWS)	S	/6	LCPL
1833.9.1 DIRECT THE INSTALLATION OF A MK154 LAUNCHER ON AN AAVP7A1	S	/12	SGT
1833.9.2 CONDUCT OPERATIONAL CHECKS OF THE MK15 LAUNCHER AS INSTALLED ON THE AAVP7A1	S	/12	SGT
1833.9.3 SUPERVISE INSTALLATION OF ROCKET MOTORS MK 22, MOD 3/4 ON THE MK154 LAUNCHER	S	/12	SGT
1833.9.4 SUPERVISE THE LOADING OF THE LINE CHARGES INTO AN AAVP7A1 EQUIPPED WITH A MK154 LAUNCHER	S	/12	SGT
1833.9.5 SUPERVISE THE OPERATION OF THE MK1 MODO MINE CLEARANCE SYSTEM (MCS)	S	/12	SGT
1833.9.6 SUPERVISE THE UNLOADING OF THE LINE CHARGES PROM AN AAVP7A1 THAT IS CONFIGURED AS AN MK1 MODO MINE CLEARANCE SYSTEM (MCS)	S	/12	SGT
1833.9.7 SUPERVISE THE DISMOUNTING OF THE MK22 MOD 3/4 ROCKET MOTORS PROM AN MK154 LAUNCHER INSTALLED ON AN AAVP7A1	S	/12	SGT
1833.9.8 SUPERVISE THE REMOVAL OF AN INSTALLED MK154 LAUNCHER PROM AN AAVP7A1	S	/12	SGT

COMMON ITS LISTING

1. General. This enclosure provides a cross reference of ITS's common to more than one MOS within OccFld 18. It is designed to assist the trainer in consolidating training for common tasks. Essential subject's ITS's are not listed since all Marines, regardless of MOS or grade, must be able to achieve the standard for those tasks.
2. Format. The enclosure lists the Task Title for each common task within the Occfld. Common Task Numbers follow each Task Title.

TASK NUMBER EXAMPLE: 1833.1.1

- o 1833 refers to the applicable ASSAULT AMPHIBIAN CREWMAN.
- o .1 refers to the Duty Area within the MOS; in this case, "MAINTENANCE".
- o .1 refers to the Task; in this case, "MAINTAIN ORDNANCE VEHICLE LOGBOOK".

<u>TASK TITLE</u>	<u>COMMON TASK NUMBERS</u>	
ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN COMBAT OPERATIONS	1803.6.1	1833.5.1
ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN SPECIAL COMBAT OPERATIONS	1803.6.2	1833.5.2
APPLY FAILURE TO FIRE PROCEDURES FOR CALIBER .50 M2 HB MACHINEGUN	1803.9.8	1833.8.17
APPLY FAILURE TO FIRE PROCEDURES FOR MK19 MOD3 MACHINEGUN	1803.9.9	1833.8.18
BRIEF CREW	1803.8.1	1833.7.1
CAMOUFLAGE AN AAV	1803.6.17	1833.5.3
COMMUNICATE USING AAVP7A1 COMMUNICATION EQUIPMENT	1803.8.4	1833.7.7
COMMUNICATE USING THE AAVC7A1 COMMUNICATIONS SYSTEM	1803.8.5	1833.7.16
CONDUCT EMBARKATION OF AAV'S ONTO AIRCRAFT	1803.3.7	1833.2.6
CONDUCT HASTY DECONTAMINATION	1803.7.7	1833.6.3
CONDUCT LAND EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT	1803.3.6	1833.2.5
CONDUCT SURF SURVIVAL TRAINING	1803.1.6	1833.7.28
CONDUCT VEHICLE INSPECTION OF AAV UNIT	1803.2.2	1833.1.12
DECONTAMINATE EQUIPMENT USING ABC-M11 DECONTAMINATING APPARATUS	1803.7.9	1833.6.13
DECONTAMINATE EQUIPMENT USING M13 DECONTAMINATING APPARATUS, PORTABLE	1803.7.8	1833.6.12
DETERMINE LOGISTICS SUPPORT REQUIREMENTS	1803.2.6	1833.1.19
DIRECT AAV UNIT CROSSING OF NUCLEAR COMTAMINATED AREA	1803.7.1	1833.6.1
ENGAGE TARGETS WITH THE AAVP7A1 WEAPONS STATION	1803.9.11	1833.8.19
IDENTIFY COMBAT VEHICLES	1803.6.16	1833.3.7

<u>TASK TITLE</u>	<u>COMMON TASK NUMBERS</u>	
INSPECT AAV COMPONENTS	1803.2.8	1833.1.15
INSPECT COMPLETED MAINTENANCE WORK	1803.2.4	1833.1.17
INSTALL M60D 7.62MM MACHINEGUN ON AN AAVC7A1	1803.9.2	1833.8.7
LOAD CALIBER .50 M2 HB MACHINEGUN ON AAV	1803.9.4	1833.8.10
LOAD MK19 MOD3 MACHINEGUN ON AAV	1803.9.6	1833.8.14
MAINTAIN THE FIELD PROTECTIVE MASK	1803.7.6	1833.1.8
MAINTAIN THE M60D 7.62MM MACHINEGUN	1803.9.1	1833.8.4
MONITOR DAILY PROCESS REPORT (DPR)	1803.2.3	1833.1.16
NAVIGATE FROM AN AAV	1803.4.9	1833.3.5
OPERATE AAVP7A1 SYSTEM COMPONENTS	1803.8.2	1833.7.3
OPERATE NIGHT VISION GOGGLES	1803.8.3	1833.7.6
OPERATE UPGUNNED WEAPONS STATION (UGWS)	1803.9.10	1833.8.22
ORDER OPERATIONAL CHECKS OF MATERIEL	1803.6.12	1833.1.4
PRESENT AAV UNIT TRAINING	1803.1.4	1833.7.23
REMOVE M60D 7.62MM MACHINEGUN FROM AN AAVC7A1	1803.9.3	1833.8.8
SCAN AREA OF OPERATION	1803.6.15	1833.3.6
SUPERVISE AAV UNIT TRAINING	1803.1.5	1833.7.24
SUPERVISE DELIBERATE DECONTAMINATION PROCEDURES FOR AAV'S	1803.7.2	1833.6.8
SUPERVISE HASTY DECONTAMINATION PROCEDURES FOR AAV'S	1803.7.3	1833.6.9
SUPERVISE PERSONNEL HANDLING AMMUNITION	1803.8.6	1833.5.10
SUPERVISE PREPARATION OF AAV'S FOR CHEMICAL ATTACK	1803.7.5	1833.6.7
SUPERVISE PREPARATION OF AAV'S FOR NUCLEAR ATTACK	1803.7.4	1833.6.10
SUPERVISE PREVENTIVE MAINTENANCE CHECKS AND SERVICES OF AAV UNIT	1803.2.7	1833.1.9
SUPERVISE RECOVERY OF A DISABLED AAV	1803.6.14	1833.5.12
SUPERVISE SURF SURVIVAL TRAINING	1803.1.7	1833.7.29
UNLOAD CALIBER .50 M2 HB MACHINEGUN ON AAV	1803.9.5	1833.8.11
UNLOAD MK19 MOD3 MACHINEGUN ON AAV	1803.9.7	1833.8.15
USE AN/PDR-27 SERIES RADIAC SET	1803.7.10	1833.6.14

ENCLOSURE (4)

TRAINING SUPPORT

1. This enclosure identifies training support in five categories for each MOS or the OccFld as a whole. Some of the support items are identified by tasks, groups of tasks, or for the entire task list as follows:

Appendix A: Training Devices, Simulators, and Training Aids

Appendix B: Training Equipment

Appendix C: Ammunition, Explosives, and Pyrotechnics

Appendix D: Training Materials

Appendix E: Upgunned Weapons Station (UGWS) Standards of Performance

2. If support identified in any appendix does not apply, the appendix will be included stating: "DOES NOT APPLY TO THIS MOS/OCCFLD."

ENCLOSURE (5)

TRAINING DEVICES, SIMULATORS, AND TRAINING AIDS

Below is a minimum list of those training devices, simulators, and training aids that may be used:

Audiovisual aids (overhead projectors, slide projectors, film projectors, video cassette recorders)

GTA's

Charts and graphs

Machinegun mockups

Tactical report formats

Data books

Silhouette targets (vehicles & troop)

Firing tables

AAV driving simulator

AAV turret trainer

MILES trainers

Interactive Course Ware (ICW)

Computer Generated Graphics (CGG)

Engine and Transmission Cut-a-Ways

Combat Vehicle Appended Trainer (CVAT) *(See note (1))

TacWar Set

*Note (1) CVAT is not yet fielded.

TRAINING EQUIPMENT

Individual Weapons

M16A2 Service Rifle
M9 9mm Service Pistol

AAV Mounted Weapons

M2 .50 Caliber Machinegun
MK19 MOD3 Machinegun
M240 7.62mm Machinegun
M60D 7.62mm Machinegun

Vehicles

AAVP7A1
AAVC7A1
AAVR7A1
M88A1 Retriever
M998 HMMWV
Helicopter
Flatbed Railcar
Flatbed Truck
M1A1 Tank
M1A1 Tank with Mineplow

Communication Equipment/Material

AN/VRC-12 Radio Set
AN/VRC-92A Radio Set (SINCGARS)
AN/VRC-89A Radio Set (SINCGARS)
AN/PRC-77 Radio Set
TSEC/KY-57
KYK-13/TSEC or KOI-18/TSEC
TA-312/PT Field Phone
TA-1A Field Phone
WD-1/TT, Wire
KTC-1400, Numerical Cipher/Authentication System
KTC-600, Tactical Operation Code
CEOI, Communications-Electronics Operating Instructions
Clean Lint-Free Cloths
PM Eraser
PM Brush
10 Foot Wooden Pole
Tape
Rope

Petroleum, Oil and Lubricants

Fuel
Fluids
Lubricants

NBC Defense Equipment/Material

M42/M40, Protective Mask
M25A1, Protective Mask
MOPP Suits with Boots and Gloves
NBC Markers
M13 Decontamination Apparatus, Portable (DAP)
DS2
ABC-M11 Decontamination Apparatus
Nitrogen Cylinders
AN/PDR-27 Series Radiac Set
AN/VDR-2
M8/M9 Paper

M256 Detection Kit
Water Purification Kit
Equipment Decontamination Stations (EDS)
Personnel Decontamination Stations (PDS)
3000 Gallon Water Bladder
Contamination Overlay
Silicone Compound
Grease Pencil

Night Vision Equipment/Materials

AN/PVS-5 Night Vision Goggles
BA 1567/U, Night Vision Viewer Battery
Clean Lint-Free Cloths
Lens Tissue Paper
Lens Cleaning Solution
Ethyl Alcohol

Miscellaneous

Ordnance Vehicle Logbook
Weapon Record Book
Equipment Repair Order (PRO)
Equipment Repair Order Shopping List (EROSL)
Daily Process Report (DPR)
Camouflage Screening System
Camouflage Screening Support
Helmet, Combat Vehicle Crewman (CVC)
Tow Bar
75 Foot 3/4" Diameter Rope
Wood Block, 8 X 8 X 12 inches
Cable Kit, Special Purpose (Slave Cables)
Clean Cotton Rags
Swabs
Cleaner, Lubricant and Preservative (CLP)
SD Dry Cleaning Solvent
Sponge
1:50,000 Military Map
Overlays
Protractor
Paper
Writing Instrument
Loading Manifest

AMMUNITION, EXPLOSIVES, AND PYROTECHNICS

This appendix identifies ammunition, explosive and pyrotechnics (CLASS V) requirements for a task.

- o The first column is the task number.
- o The second column identifies the Department of Defense Identification Code (DoDIC).
- o The third column is the Nomenclature pertaining to the DoDIC.
- o The fourth column, "Initial Proficiency," identifies the quantity of CLASS V each trainee will expend to achieve initial proficiency in this task.
- o The fifth column, "Per Iteration," lists the quantity of CLASS V expended to maintain proficiency after initial proficiency is achieved.
- o The sixth column, Annual Sustainment, provides the amount of CLASS V required for one Marine to maintain proficiency in this task for a one year period. Annual Sustainment quantities are derived by the following formula:

$$\frac{12 \text{ Months Divided By Sustainment Factor Times Per Iteration Equals Annual Sustainment}}$$

Example: Take the Sustainment Factor from Enclosure (3). Divide this number into 12 months to find out how many times per year a task must be re-evaluated or retrained:

- * TASK 1833.8.16 has a sustainment factor of 12.
- * This number divided into 12, tells you the task has to be retrained one time per year (every twelve months).
- * Multiply 1 times the "per iteration" factor to find the annual sustainment quantity.

$$12 \text{ months} / 12 \times 24 = 24$$

It takes 24, CTG, 40mm HEPD B542 rounds to maintain proficiency in this task every year.

NOTE: The following listings of ammunition requirements present the minimum needed to meet the standards for the tasks which require the use of Class V (Ammunition) items. It is recommended that the training of the ITS's in this Order be further enhanced with additional ordnance (pyrotechnics, blast and artillery simulators, mine simulators, blank ammunition, etc.), whenever possible in order to more closely approximate reality.

All MOS 1803 and 1833 personnel assigned to AAV units are expected to perform tasks 1 through 15 and Table 1 from the Upgunned Weapons Station (UGWS) Standards of Performance annually. Tables II through VI are to be fired by each crew annually.

TASK	DODIC	NOMENCLATURE	PROFICIENCY	ITERATION	SUSTAINMENT
1803.4.3	L314	Signal Illumination Ground Green Star Cluster	1	1	1
	L307	Signal Illumination Ground White Star Cluster	1	1	1
1803.6.8	K002	Activator, AT Practice	10	10	10
	K230	Mine AT Practice, Hvy M12 or M12A1	10	10	10
1803.6.9	L314	Signal Illumination Ground Green Star Cluster	1	1	1
	L307	Signal Illumination Ground White Star Cluster	1	1	1
1803.8.6		THIS TASK WILL BE DONE IN CONJ. WITH ANNUAL AAV QUALIFICATION FIRING (SEE UGWS STANDARDS OF PERFORMANCE)			

Appendix C to
ENCLOSURE (5)

TASK	DODIC	NOMENCLATURE	INITIAL PROFICIENCY	PER ITERATION	ANNUAL SUSTAINMENT
1803.9.4	A560	CTG. Caliber .50 (dummy) <u>NOT CONSUMABLE</u>	50	50	50
1803.9.5	A560	CTG. Caliber .50 (dummy) <u>NOT CONSUMABLE</u>	50	50	50
1803.9.6	B472	CTG. 40mm Dummy M835, w/M16A2 Links <u>NOT CONSUMABLE</u>	24	24	24
1803.9.7	B472	CTG. 40mm Dummy M835, w/M16A2 Links <u>NOT CONSUMABLE</u>	24	24	24
1803.9.11		THIS TASK WILL BE DONE IN CONJ. WITH ANNUAL AAV QUALIFICATION FIRING (SEE UGWS STANDARDS OF PERFORMANCE)			
1803.9.12		NOTE: Remember to refer to Tasks 1833.8.13 and 1833.8.16 for Class V required to zero weapons prior to firing this task.			
	A576	CTG. Caliber .50, M2 Linked 4 ball and 1 tracer	700	700	700
	B542	CTG. 40mm HEPD, Linked w/M16A2 Links	288	288	288
	A560	CTG. Caliber .50, M2 Linked dummy <u>NOT CONSUMABLE</u>	50	50	50
	B472	CTG. 40mm Dummy M835, w/M16A2 Links <u>NOT CONSUMABLE</u>	24	24	24
1833.3.1	L314	Signal Illumination Ground Green Star Cluster	1	1	2
	L307	Signal Illumination Ground White Star Cluster	1	1	1
1833.3.3	L314	Signal Illumination Ground Green Star Cluster	1	1	1
	L307	Signal Illumination Ground White Star Cluster	1	1	1
1833.5.4	K002	Activator, AT Practice	10	10	10
	K230	Mine AT Practice, Hvy M12 or M12A1	10	10	10
1833.5.5	G900	Grenade Hand Incendiary TH-3 AN-M14 THIS TASK WILL CONSIST OF SIMULATED DESTRUCTION/DEMONSTATION ONLY	1	1	1
1833.5.7		THIS TASK WILL BE DONE IN CONJ. WITH ANNUAL AAV QUALIFICATION FIRING (SEE UGWS STANDARDS OF PERFORMANCE)			
1833.5.10		THIS TASK WILL BE DONE IN CONJ. WITH ANNUAL AAV QUALIFICATION FIRING (SEE UGWS STANDARDS OF PERFORMANCE)			
1833.8.1	G826	Grenade, Launcher Smoke IR	8	8	16
1833.8.2	G826	Grenade, Launcher Smoke IR	8	8	16
1833.8.10	A560	CTG. Caliber .50, M2 Linked dummy <u>NOT CONSUMABLE</u>	50	50	50
1833.8.11	A560	CTG. Caliber .50, M2 Linked dummy <u>NOT CONSUMABLE</u>	50	50	50
1833.8.13	A576	CTG. Caliber .50, M2 Linked 4 ball and 1 tracer	50	50	50
1833.8.14	B472	CTG. 40mm Dummy M835, w/M16A2 Links <u>NOT CONSUMABLE</u>	24	24	24
1833.8.15	B472	CTG. 40mm Dummy M835, w/M16A2 Links <u>NOT CONSUMABLE</u>	24	24	24
1833.8.16	B542	CTG. 40mm HEPD, Linked w/M16A2 Links	24	24	24
1833.8.19		THIS TASK WILL BE DONE IN CONJ. WITH ANNUAL AAV QUALIFICATION (SEE UGWS STANDARDS OF PERFORMANCE)			
1833.8.20		THIS TASK WILL BE DONE IN CONJ. WITH ANNUAL AAV QUALIFICATION (SEE UGWS STANDARDS OF PERFORMANCE)			
1833.9.5	ML26	Charge, Demo Inert Linear LVT	1	1	1

TRAINING MATERIALS

1833.8.2

- o If assigned as a full-time training manager, it would be appropriate to attend a formal Training Management Course, as described in FM,FM 0-1, and FM,FM 0-1A.

1833.8.5

- o If assigned as a full-time trainer, it would be appropriate to attend a formal instructor's course such as the Instructor Training Course, (ITC).

OTHER TRAINING MATERIALS

See the MCI catalog for those MCI courses that cover the appropriate OccFld 18 MOS's.

Appendix D to
ENCLOSURE (5)

UGUNNED WEAPONS STATION (UGWS) STANDARDS OF PERFORMANCE

TO BE ACCOMPLISHED IN CLASSROOM OR ON RAMP: DRY FIRE/SIMULATION

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/ TYPE	PERF. STANDARDS	REMARKS	GO/NO GO
1. Disassemble/ Assemble Weapons	-Without the aid of -Without assistance -WPNS Removed from Turret -Both Weapons Types	M-2 MK-19	None	IAW TM-10004A-14A&P	-PRACT. APPL -First Echelon Field Strip Only -All Crewman	G/NG
2. Identify AMMO Types and Explain Characteristics	-Utilizing Dummy Trng RDS for all Types of Weapons	M-2 MK-19	Dummy RDS Ammo	FM 23-65 OH 6-9, CH's 2&3	-All Crewman -Identification of all types and Characteristics of various ammunition to include smoke grenade RDS	G/NG
3. Explain the (3) Characteristics of Fire (Trajectory/Cone of Fire/Beaten Zone)	-W/O References	N/A	NONE	FM 23-65 OH 6-9, CH 5 Sect 3	-All Crewman	G/NG
4. Explain the (3) Classes of Fire (Respect to Ground/ to Target/to Gun)	-W/O References	N/A	NONE	FM 23-65 OH 6-9, CH 5, Sect 3	-All Crewman	G/NG
5. Explain Proper Elements Contained in and Proper Format to issue a Fire Command (Alert/ Direction/ Assignment/Method/ Control)	-W/O References	N/A	NONE	OH 6-5, CH 5, Sect VI OH 6-9, CH 5 p. 5-19	-ADDRAC Format	G/NG
6. Explain principles of Range Estimation and Determination	-W/O References	N/A	NONE	FM 23-65, CH 7 OH 6-5, CH 5	-Given Targets of Varying Ranges	G/NG
7. Explain the Correct Procedures to Engage Aerial Targets	-W/O References	M-2	NONE	OH 6-5, CH 5, Sect XIV	-Practiced to the Limitation of the Weapons Systems	G/NG
8. Set Head space and Timing	-Head space & Timing Improperly Applied	M-2	NONE	IAW TM-9-1005-213 FM 23-65	-Must be Applied in Proper Sequence. Weapon Must Function.	G/NG
9. Identify the Nomenclature and Explain the Proper Functioning of the Turret	-When shown an Item Within the Turret, Properly Identify It's Nomenclature and Function	UGWS	NONE	IAW TM 10004A-14A&P	-To Include Day & Night Sights, 8X Optics, and SGLS	G/NG

Appendix E to
ENCLOSURE (5)

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10. Mount Weapons in the Turret	-Weapons Removed from Turret -Pins Removed	UGWS	NONE	IAW TM 10004A-14A&P IAW TM 10	-M-2 Both Internal & External Mounting -MK-19 External Mounting Only	G/NG
11. Apply Mirror Boresight and Zero Weapons	-Vehicle Staged on a Level Surface -Using Boresight Kit Filter & Converging Method	M-2 MK-19	NONE		-Level Surface	G/NG
12. Perform manipulation exercise	-From a stationary AAV with cleared and mounted weapons	UGWS	NONE	Lay the gun (50 cal) and engage 10 stationary targets		G/NG
13. Perform tracking exercise	-From a stationary AAV with cleared and mounted weapons	UGWS	NONE	Using the snake board negotiate through (4) tracking solutions. 60 sec per track, self graded exercise.		G/NG
14. Perform a Tgt aquisition exercise	-From a stationary AAV with cleared and mounted weapons	UGWS	NONE	Using pop up target mech. 1-3 Tgts will be presented. Tgts will be aquired and engaged using the the primary sight.		G/NG
15. Load Weapons and Check Functioning	-Using Training Rounds	M-2 MK-19*	Dummy RDS		*Load Weapons Station (MK-19) -While on Move W/Low Ammo Ride Light on from Inside Moving AAV	G/NG

TO BE ACCOMPLISHED ON RANGE: LIVE FIRE/SIMULATION

TABLE I

BASIC GUNNERY (INDIVIDUAL - LIVE FIRE)

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/		PERF. STANDARDS	GO/NOGO
			TYPE			
1. Zero the M-2 .50 Cal. & the MK-19	-Target at 600 or 800m at minimum elevation. -Range dependent	M-2	QTY	DODIC	No Time Limit. Refer to Zeroing Procedures.	G/NG
		MK-19	50	A576		
2. Lay the Machineguns	-Engage (2) stationary Targets. Use electric or manual controls. View through vision blocks only. From stationary AAV.	M-2	NONE		Lay the gun within 10 secs, engage most dangerous target first with both M-2 & M-19. Repeat sequence for second target.	G/NG
		M-19				
3. Suppress and destroy close-in target	-Engage (1) stationary target at 600-1200m. From a stationary AAV.	M-2	50	A576	Lay the gun within 10 secs, suppress with M-2, kill with M-19.	G/NG
		MK-19	24	B542		
4. Suppress and destroy multiple targets	-Engage (2) stationary targets, (1) at 1200-1800m and (1) at over 1800m. From a stationary AAV.	M-2	100	A576	Lay the gun within 10 secs, engage most dangerous target first with both M-2 & MK-19. Repeat sequence for second target.	G/NG
		M-19	48	B542		

Appendix E to
ENCLOSURE (5)

5-E-2

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TABLE II

BASIC GUNNERY (CREW - LIVE FIRE)

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/		PERF. STANDARDS	GO/NOGO
			TYPE			
			QTY	DODIC		
1. Suppress and destroy close-in target	-Engage (1) stationary target at 600-1200m. From a moving AAV.	M-2 MK-19	50 24	A576 B542	(Offensive Engagement) G/NG Lay the gun within 10 secs, suppress with M-2 then destroy with MK-19. Vehicle moves into hull down before beginning to fire.	
2. Suppress and destroy close-in target under NBC conditions	-Engage (1) stationary target at 600-1200m. Crew masked and hatches closed. From a stationary AAV.	M-2 MK-19	50 24	A576 B542	(Defensive Engagement) G/NG Lay the gun within 15 secs, suppress with M-2 destroy with MK-19.	
3. Suppress and destroy multiple targets	-Engage (2) stationary targets. (1) at 1200-1800m and (1) at over 1800m. From a moving AAV.	M-2 MK-19	100 48	A576 B542	(Offensive Engagement) G/NG Lay the gun within 10 secs, engage most dangerous target first with both M-2 & MK-19. Repeat sequence for second target. Vehicle moves into hull down before beginning to fire.	
4. Suppress a target while moving then destroy it from a hull down pos.	-Engage (1) stationary or moving target at less than 500m from a moving AAV then destroy it from a hull down position.	M-2 MK-19	50 24	A576 B542	(Offensive Engagement) G/NG Lay the gun within 20 secs, suppress the target with M-2 while moving to a hull down. Destroy the target with MK-19 after moving into a hull down.	
5. Suppress and destroy close-in target at night	-Engage (1) stationary target at less than 500m with no illumination. From a stationary AAV.	M-2 MK-19	50 24	A576 B542	(Defensive Engagement) G/NG Lay the gun within 20 secs, suppress with M-2 then destroy with MK-19	

TABLE III

RANGE CARD/INDIRECT FIRE (CREW - LIVE FIRE)

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/ TYPE		PERF. STANDARDS	GO/NOGO
			QTY	DODIC		
1. Occupying a Primary Defensive position destroy an area target	-Engage (2) stationary targets at beyond 1600m. From a stationary AAV.	MK-19	48	B542	(Defensive Engagement G/NG with Range Card) Occupy a Primary Position and prepare a range card for both daylight and night. Reoccupy position after dark using range card. Section Leader will call fire missions.	
2. Move from a Primary Position to an Alternate Position and engage and destroy an area target with MK-19	-Engage (1) stationary target beyond 1000m. From a stationary AAV.	MK-19	24	B542	(Defensive Engagement) G/NG with Range Card) Move from primary position to Alternate position and engage target from Range Card. Section Ldr	

Appendix E to
ENCLOSURE (5)

					will call fire mission.
3. Suppress an area target with Mk-19	-Engage (1) stationary target beyond 1000m. From hull down position.	Mk-19	24	B542	(Defensive Engagement) G/NG Indirect Fire. With section leader acting as spotter, adjust fire to suppress an area target. No time limit.
4. Destroy an area target with Mk-19	-Engage (1) stationary target beyond 1000m. From hull down position.	Mk-19	24	B542	(Defensive Engagement) G/NG Indirect Fire. With section leader acting as spotter, adjust fire to destroy an area target. No time limit.

TABLE IV
CREW GUNNERY QUALIFICATION (LIVE FIRE)

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/		PERF. STANDARDS	GO/NOGO
			TYPE			
			QTY	DODIC		
1. Suppress and destroy close-in target	-Engage (1) stationary target at 600-1200m. Move into hull down position before beginning engagement.	M-2	50	A576	Lay the gun within 10 secs. Suppress with M-2 then destroy with Mk-19.	G/NG
		Mk-19	24	B542		
2. Suppress and destroy close-in target. (NBC).	-Engage (1) stationary target at 600-1200m. Crew masked and hatches closed. From hull down position.	M-2	50	A576	(Defensive Engagement) Lay the gun within 15 secs. Suppress with M-2 then destroy with Mk-19.	G/NG
		Mk-19	24	B542		
3. Suppress and destroy multiple targets	-Engage (2) stationary targets. (1) at 1200-1800m and (1) at over 1800m. Move into hull down position before beginning engagement.	M-2	100	A576	(Offensive Engagement) Lay the gun within 10 secs. Engage most dangerous target first with both M-2 & Mk-19. Repeat sequence for second target. Ensure movement from turret to hull down before second engagement.	G/NG
		Mk-19	48	B542		
4. Suppress a target while on the move then destroy it from stationary position	-Engage (1) stationary or moving target at less than 500m.	M-2	50	A576	(Offensive Engagement) Lay the gun within 20 secs. Suppress with M-2 while moving then destroy from hull down position.	G/NG
		Mk-19	24	B542		
5. Suppress and destroy close-in target. (Night).	-Engage (1) stationary target within night visual range. Illuminate.	M-2	50	A576	(Defensive Engagement) Lay the gun within 20 secs. Suppress with Mk-19. Ensure movement from turret to hull down before beginning engagement.	G/NG
		Mk-19	24	B542		

TABLE V
SECTION GUNNERY (DRY FIRE/SIMULATION)

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/		PERF. STANDARDS	GO/NOGO
			TYPE			

Appendix E to
ENCLOSURE (5)

		<u>QTY</u> <u>DODIC</u>		
1. Suppress and destroy close-in targets	-Engage (3) stationary targets at 600-1200m. With a section moving in the offense.	M-2 Mk-19	None None	(Offensive Engagement) G/NG Give fire commands, ensure section moves to hull down positions before firing and engages most dangerous first.
2. Suppress and destroy close-in targets (NBC)	-Engage (2) stationary targets at 600-1200m. Crew masked and hatches closed. With a section in the defense.	M-2 Mk-19	None None	(Defensive Engagement) G/NG Give fire commands, Ensure section moves from turret to hull down positions before beginning engagement. Engage most dangerous target first.
3. Suppress and destroy multiple targets at multiple ranges	-Engage (3) targets. (1) stationary at 1200-1800m (1) stationary target at over 1800m and (1) moving target at 800-1800m. With a section in the defense.	M-2 Mk-19	None None	(Defensive Engagement) G/NG Give fire commands, ensure section moves from turret to hull down positions before beginning engagement. Engage most dangerous target first.
4. Suppress targets while on the move then destroy them from stationary positions	-Engage (2) stationary targets at less than 500m. With a section in the offense.	M-2 Mk-19	None None	(Offensive Engagement) G/NG Give fire command to suppress targets while moving to hull down positions then destroy them from hull down positions.

TABLE VI

SECTION GUNNERY QUALIFICATION (LIVE FIRE)

TASK	CONDITION	WPNS TYPE	ROUNDS REQ/		PERF. STANDARDS	GO/NOGO
			TYPE			
			QTY	DODIC		
1. Suppress and destroy multiple close-in targets	-Engage (3) stationary targets at 600-1200m.	M-2 Mk-19	150 72	A576 B542	(Offensive Engagement) G/NG Give fire commands, ensure section moves from turret to hull down positions before beginning engagement. Engage most dangerous target first.	
2. Suppress and destroy close-in targets (NBC)	-Engage (2) stationary targets at 600-1200m. Crew masked and hatches closed.	M-2 Mk-19	75 36	A576 B542	(Defensive Engagement) G/NG Give fire commands, Ensure section moves from turret to hull down before beginning engagement. Engage most dangerous target first.	
3. Suppress and destroy multiple targets at multiple ranges	-Engage (3) targets. (1) stationary target at 1200-1800m. (1) stationary target at greater than 1800m. (1) moving target at 800-1800m	M-2 Mk-19	150 72	A576 B542	(Defensive Engagement) G/NG Give fire commands, Ensure section moves from turret to hull down before beginning engagement. Engage most dangerous target first.	

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4. Suppress targets while on the move then destroy them from stationary positions	-Engage (2) stationary targets at less than 500m.	M-2 Mk-19	75 36	A576 B542	(Offensive Engagement) G/NG Give fire command to suppress targets while moving to hull down positions then destroy them from hull down positions.
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Remarks: (1) Range and Ammo Dependent
(2) Range distances should be approximate
(3) Rounds should impact on point target, not in vicinity
(4) MK-19 should impact in area of target
(5) Training practice rounds for MK-19 good only out to 600m range
(6) Tables II, III, and V may eventually be fired through simulation dependant on fielding of Combat Vehicle Appended Trainer (CVAT)

INDIVIDUAL TRAINING STANDARDS FOR TANK AND ASSAULT AMPHIBIAN
OCCUPATIONAL FIELD (OCCFLD) 18, VOLUME 2 -
ASSAULT AMPHIBIAN

MOS 1803, ASSAULT AMPHIBIAN VEHICLE OFFICER

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ENCLOSURE (6)

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MOS 1803, ASSAULT AMPHIBIAN VEHICLE OFFICER

DUTY AREA 1 - TRAINING

TASK: 1803.1.1 DEVELOP AAV BATTALION TRAINING DIRECTIVES/POLICY

CONDITION(S): Given unit mission guidelines from higher headquarters, MCO 3501.11, FMFM 0-1, and FMFM 0-1A.

STANDARD: Develop AAV battalion training directives/policies to include individual and team AAV related training objectives, considering training resources available and environmental constraints on training. Assign responsibility for specific action by members of the command wherever possible. Publish as a Battalion Order intended to support unit mission, increase unit readiness, and support Marine Corps training policy.

PERFORMANCE STEPS:

1. Analyze guidance from higher headquarters.
2. Extract training requirements necessary for unit readiness.
3. Review current training directives/policies.
4. Make any changes necessary to increase training efficiency and improve unit readiness.
5. Submit for approval if required.
6. Publish training directives/policies when finalized and approved.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.1.2 DEVELOP AAV UNIT TRAINING SCHEDULE

CONDITION(S): Given a list of individual training standards (ITS) to be trained, a list of operational commitments, FMFM 0-1 and FMFM 0-1A.

STANDARD: Develop the AAV unit training schedule based on the mission performance standards (MPS) set forth in MCO 3501.11, and the development process outlined in FMFM 0-1 and FMFM 0-1A.

PERFORMANCE STEPS:

1. Determine individual or unit proficiencies and deficiencies.
2. Select individual or collective training standards.
3. Determine instructional settings, methods, and media.
4. Specify when training takes place and where it takes place.
5. Allocate the amount of time for scheduled training and also additional training as required to correct anticipated deficiencies.
6. Provide concurrent training topics that will efficiently use available training time.

7. Plan the required training resources.
8. Specify who conducts the training and who evaluates the results.
9. Provide administrative information concerning uniform, weapons, equipment, references, and safety precautions.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.1.3 EVALUATE AAV RELATED TRAINING EFFECTIVENESS

CONDITION(S): Given an AAV unit, MCCRES results or the opportunity to observe training, MCO 3501.11, FMFM 0-1 and FMFM 0-1A.

STANDARD: Evaluate AAV related training effectiveness based on training exercise performance and recommend solutions to correct deficiencies as per the references.

PERFORMANCE STEPS:

1. Examine MCCRES scores or observe the training exercise or activity.
2. Evaluate performance to determine whether Marines can meet the standard after training.
3. Evaluate preparation based on indicators observed during training.
4. Critique individual and collective performance. Determine:
 - a. What happened?
 - b. Why did it happen?
 - c. How could it have been done better?
5. Note the results of performance evaluations of individuals in appropriate records as determined by unit SOP.
6. Record the results of collective training in after action reports (AAR) or appropriate records as determined by unit SOP.
7. Make recommendations as to future training needs or changes in the training.
8. Provide lessons learned to the Marine Corps Lessons Learned System (MCCLS).

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.1.4 PRESENT AAV UNIT TRAINING

CONDITION(S): Given training objectives, a training outline and training material, Marines to train, and FMFM 0-1A.

STANDARD: Present AAV unit training as per FMFM 0-1A, so that training objectives are met, and the training schedule is followed.

PERFORMANCE STEPS:

1. Prepare for instruction (rehearse).
2. Introduce the subject and give the relevance and conceptual framework of the training.
3. Present the learning outcome, method of training, and method of evaluation.
4. Pretest the Marines.
5. Present the instruction, employing primacy/regency and questioning technique..
6. Demonstrate the performance.
7. Require Marines to practice the behavior cited in the training objective.
8. Provide feedback on the success or failure of the Marines' practice performance.
9. Post-test the Marines.
10. Provide feedback on the success or failure of the Marines' performance test.
11. Allow Marines to critique the training.
12. Present the summary and closing instructions.

REFERENCE(S):

1. FMFM 0-1A, HOW TO CONDUCT TRAINING
2. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.1.5 SUPERVISE AAV UNIT TRAINING

CONDITION(S): Given training requirements and an AAV unit.

STANDARD: Supervise AAV unit ensuring training maintains maximum operational readiness and unit and individual survivability.

PERFORMANCE STEPS:

1. Ensure personnel receive sufficient instruction in MOS/military skills in accordance with the ITS's set forth in this publication.
2. Ensure exercises simulate actual combat conditions.
3. Ensure local conditions and specific unit functions are incorporated into exercise development.
4. Ensure integration of training with unit mission.
5. Ensure safety regulations and considerations are applied; stop training if safety is compromised.
6. Evaluate how well Marines accomplish their duties.
 - a. Determine individual/unit training needs.

- b. Determine if individual responsibilities should be increased or decreased.
7. Identify training deficiencies and outline procedures to correct deficiencies or schedule required training.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING
4. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.1.6 CONDUCT SURF SURVIVAL TRAINING

CONDITION(S): Given two or more fully operational and crewed AAV's to conduct training, two or more AAV's functioning as Beach Rescue Team (BRT), positive communications between all AAV's, a MCIWS qualified Marine, a maximum of 10 pairs of students per AAV, training area with water at least 55 degrees Fahrenheit, wave height not to exceed 4 feet, and longshore current not to exceed 3 knots.

STANDARD: Conduct surf survival training so that personnel are taught swimming techniques and how to survive cold water temperatures as per the references. Ensure all safety procedures are followed.

PERFORMANCE STEPS:

1. Plan the training.
2. Coordinate with Battalion S-3 office.
3. Coordinate formation of teams or groups with unit to be trained.
4. Ensure that safety lecture to units receiving surf survival training includes:
 - a. Correct use of the life jacket.
 - b. How to abandon an AAV.
 - c. How to enter the water.
 - d. The importance of the buddy system.
 - e. Basic swimming strokes.
 - f. Pair weak swimmers with strong swimmers.
5. Draft surf report prior to commencement of training.
6. Transmit surf report to AAV Battalion S-3, prior to commencement of water operations.
7. Ensure that water escort AAV's are positioned so that they do not drift into swimmers as they swim through the surf zone and to the beach.
8. Monitor and observe all phases of the training, being especially watchful for potential safety threats to personnel and equipment.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE

3. FMFM 0-1A, HOW TO CONDUCT TRAINING
4. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE
5. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.1.7 SUPERVISE SURF SURVIVAL TRAINING

CONDITION(S): Given 2 or more fully operational and crewed AAV's to conduct training, 2 or more AAV's functioning as Beach Rescue Team (BRT), positive communications between all AAV's, a MCIWS qualified Marine, a maximum of 10 pairs of students per AAV, training area with water at least 55 degrees Fahrenheit, wave height not to exceed 4 feet, and longshore current not to exceed 3 knots.

STANDARD: Supervise surf survival training so that personnel are taught swimming techniques and how to survive cold water temperatures as per the references. Ensure all safety procedures are followed.

PERFORMANCE STEPS:

1. Supervise preparations of AAV's and crews for training evolution.
2. Supervise the transit of AAV's to the training site.
3. Supervise the training evolution.
 - a. Ensure one Water Safety Instructor qualified swimmer is assigned to each training group.
 - b. Ensure weak swimmers are identified by wearing a white T-shirt over utility shirt.
 - c. Ensure troops are paired up based on swimming skills.
 - d. Ensure pairs enter water clothed in utilities.
 - e. Ensure pairs swim to shore or to a pickup boat, depending on instructions and conditions.
4. Supervise swimmers; monitor paired swimmers for evidence of panic or other distress.
5. Abort training and rescue swimmers if safety indicates.

REFERENCE(S):

1. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
2. FMFM 0-1A, HOW TO CONDUCT TRAINING
3. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE
4. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 2 - MAINTENANCE MANAGEMENT

TASK: 1803.2.1 DIRECT COMBAT SERVICE SUPPORT OPERATIONS

CONDITION(S): As commander of a platoon-sized unit in a combat environment, given an OPORD directing you to conduct a tactical operation.

STANDARD: Direct CSS operations to ensure your unit has the necessary medical, maintenance, supply, service, and transportation support to complete its mission successfully. Your CSS operation must not degrade your unit's ability to accomplish its primary mission.

PERFORMANCE STEPS:

1. Develop plan for CSS operations.
2. Monitor CSS activities.
3. Direct emergency CSS activities if the tactical situation requires.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 9-2, AMPHIBIOUS VEHICLES
3. FM,FM 6-12

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.2 CONDUCT VEHICLE INSPECTION OF AAV UNIT

CONDITION(S): Given an AAV unit to inspect, ordnance vehicle logbooks, and appropriate publications.

STANDARD: Conduct vehicle inspection of AAV unit to ensure service-ability, accountability, and operational readiness as per the references.

PERFORMANCE STEPS:

1. Inspect 1st echelon preventive maintenance.
2. Inspect SL-3/OVE components.
3. Inspect AAV weapons.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.3 MONITOR DAILY PROCESS REPORT (DPR)

CONDITION(S): Given active PRO(s) and EROSL(s), a current daily process report (DPR), UM 4790-5, and the requirement to determine the maintenance status of an AAV unit.

STANDARD: Monitor the daily process report (DPR) so that the unit commander may be briefed accurately on the current status of the unit's maintenance activities, on at least a weekly basis, and ensuring that all entries on the DPR are current and correct, as per the references.

PERFORMANCE STEPS:

1. Obtain DPR.
2. Check to ensure that ERO's shown on the DPR are in the correct job status.
3. Check ERO's in a "short parts" job status with no parts trailers to ensure the EROSL's have been prepared and submitted. If an EROSL has not been submitted, submit one as soon as possible.
4. Check off those parts and transactions on the EROSL which have been submitted to the supply source and appear on the DPR.
5. Compare all ERO's on the DPR in a short parts status with the ERO and EROSL to ensure that:
 - a. ERO job status is correct.
 - b. ERO category and priority are valid.
 - c. An EROSL has been prepared, document numbers assigned, and transactions processed.
 - d. The priorities assigned to document number on an EROSL must logically follow the priority and category assigned to the ERO.
 - e. The priorities assigned must meet the criteria contained in MCO 4400.16.
6. Brief unit commander.

REFERENCE(S):

1. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
2. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
3. UM 4790-5, MARINE CORPS USER'S MANUAL MIMMS (AIS) FMSS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.4 INSPECT COMPLETED MAINTENANCE WORK

CONDITION(S): Given an AAV on which maintenance has been performed, PMCS records and AAV crewmember who performed work or ERO returned by maintenance activity, and appropriate manuals and publications.

STANDARD: Inspect completed maintenance work to ensure that all work required has been completed, and discrepancies have been corrected as per the references.

PERFORMANCE STEPS:

1. Inspect PMCS records or ERO. Determine which work has been entered as accomplished.
2. Visually inspect the components or parts that have received maintenance. Look for signs that recorded work has actually been done.
3. Physically check for evidence of recorded work being done.
4. Direct the correction of any discrepancies uncovered by inspection. Have PMCS performed properly if needed, or have AAV returned to maintenance facility for further work.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES

2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.5 INSPECT ORDNANCE VEHICLE LOGBOOK

CONDITION(S): Given an ordnance vehicle logbook, and TM 4700-15/1.

STANDARD: Inspect Ordnance Vehicle Logbook to ensure appropriate entries have been made as per TM 4700-15/1, and that they provide an accurate historical record of the AAV.

PERFORMANCE STEPS:

1. Inventory logbook to ensure its completeness.
2. Verify inspector block has been signed properly on NAVMC 10392, Ordnance Vehicle Military Acceptance Record.
3. Ensure that AAV commander has signed and made appropriate and accurate entries in NAVMC 10393, Ordnance Vehicle Daily Log. If vehicle is listed as inoperative, ensure organizational maintenance has followed-up to correct deficiencies.
4. Ensure entries are correct and current in NAVMC 10394, Ordnance Vehicle Monthly Log. If problems are indicated in remarks section, ensure organizational maintenance has followed-up.
5. Ensure PM service and inspection information is current and recorded in NAVMC 10395, Ordnance Vehicle Preventive Maintenance Record.
6. Ensure operational damage information is current and recorded correctly in NAVMC 10398, Ordnance Vehicle Service Record.
7. Ensure custody entry is current in NAVMC 10399, Ordnance Vehicle Transfer Record.
8. Ensure information matches current modifications in NAVMC 10400, Ordnance Vehicle Modification Record.
9. Ensure NAVMC 10401, Ordnance Vehicle Overhaul and Rebuild Record is completed properly if vehicle has been overhauled.

REFERENCE(S):

1. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.6 DETERMINE LOGISTICS SUPPORT REQUIREMENTS

CONDITION(S): Given an operational commitment, unit commander, and a list of available personnel and equipment.

STANDARD: Determine logistics support requirements, to include estimates of combat service support and personnel, so that the commander will have current and accurate input with which to base decisions.

PERFORMANCE STEPS:

1. Determine whether AAV unit is in general support, direct support, or attached to the supported unit.
2. Determine preventive maintenance support needs.
3. Determine corrective maintenance support needs.

4. Determine messing requirements.
5. Determine POL requirements.
6. Determine ammunition requirements.
7. Determine time requirements for maintenance of vehicles.
8. Determine echelons of repair needed.
9. Determine medical/dental requirements.
10. Determine support required from higher elements.
11. Determine likely means of combat service support that will be available, based on experience and task organization.
12. Determine the number and type of personnel that will be needed to meet maintenance contingencies.
13. Report to the AAV unit commander the logistics support requirement estimates.
14. Determine special circumstances of operations (desert, cold weather, etc.) which may impact maintenance support considerations.
15. Coordinate logistics support with supporting elements.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
3. UNIT OPERATIONS SOP
4. FM 6-11, MECHANIZED OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.7 SUPERVISE PREVENTIVE MAINTENANCE CHECKS AND SERVICES OF AAV UNIT

CONDITION(S): Given an AAV unit/team, vehicle technical manuals and access to maintenance documentation.

STANDARD: Supervise preventive and maintenance checks and services so that they are performed on vehicles in AAV unit/team ensuring discrepancies are noted and corrective measures are taken.

PERFORMANCE STEPS:

1. Ensure that vehicle commanders assign crewmen areas of responsibility for PM.
2. Ensure preoperation, during-operation, at halt, and after-operation checks are conducted.
3. Ensure that proper start-up and cool-down procedures are performed as scheduled.
4. Ensure that maintenance documentation is maintained and updated.

REFERENCE(S):

1. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
4. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.2.8 INSPECT AAV COMPONENTS

CONDITION(S): Given an AAV basic issue components display, AAV (FOV) components inventory, TM 09647A-10/3, TM 4700-15/1, UM 4790-5, NAVMC 10245 and NAVMC 10925.

STANDARD: Inspect AAV components ensuring all components are clean, serviceable, and present or requisitioned as per the references.

PERFORMANCE STEPS:

1. Inventory components using AAV (FOV) components inventory.
2. Inspect components and SL-3 for cleanliness and serviceability.
3. Inspect open EROs/EROSLs requisitioning missing components.

REFERENCE(S):

1. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
2. UM 4790-5, MARINE CORPS USER'S MANUAL MIMMS (AIS) FMSS
3. NAVMC 10245, ERO (EQUIPMENT REPAIR ORDER)
4. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
5. SL-307007B/07268B

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 3 - EMBARKATION

TASK: 1803.3.1 DEVELOP PLANS TO EMBARK AAV UNIT

CONDITION(S): Given an operation plan, a supported unit, LFM 03, FM 55-30, TM 55-601, FMFM 4-6, and FMFM 9-2.

STANDARD: Develop plans to embark AAV unit upon receipt of the operation plan ensuring that the embarkation plans support the tactical requirements/mission of supported unit, and that plans are refined and monitored until embarkation is complete, as per the references.

PERFORMANCE STEPS:

1. Coordinate with the MAGTF Ground Combat Element (GCE) embarkation officer or the Team Embarkation Officer (TEO).
2. Use any embarkation-trained NCO's in planning.
3. Determine logistical requirements for AAV's, personnel and associated equipment.
4. Consider respective special requirements for transport by ship, aircraft, rail, or motor transport vehicle.
5. Prepare written plans.
6. Have plans approved by higher authority.
7. Bring approved plans to loading conference.

REFERENCE(S):

1. MCO P4030.19, PREPARING HAZARDOUS MATERIALS FOR MILITARY AIR SHIPMENT
2. FM 55-30, ARMY MOTOR TRANSPORT UNITS AND OPERATIONS
3. FM,FM 4-6, MOVEMENT OF UNITS IN AIR FORCE AIRCRAFT
4. FM,FM 9-2, AMPHIBIOUS VEHICLES
5. LFM 03, AMPHIBIOUS EMBARKATION
6. TM 55-601, RAILCAR LOADING PROCEDURES
7. TM 55-2200-001-12, APPLICATION OF BLOCKING, BRACING, AND TIEDOWN MATERIALS FOR RAIL TRANSPORT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803. 3.2 DIRECT PREPARATIONS FOR AMPHIBIOUS EMBARKATION OF AAV' S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT

CONDITION(S): Given an operation order, unit Table of Equipment (T/E), deadlined equipment information, an AAV unit/team, and LFM 03.

STANDARD: Direct preparations for amphibious embarkation of AAV's and associated combat essential equipment as per the reference.

PERFORMANCE STEPS:

1. Conduct advance liaison with higher headquarters and assault shipping personnel as required.
2. Plan the embarkation.
3. Coordinate loading plan with the Team Embarkation Officer (TEO) and the ship's Combat Cargo Officer (CCO).
4. Direct preparation of AAV unit/team for embarkation.
5. Coordinate transportation of vehicles to embarkation area.
6. Coordinate security in embarkation area.
7. Coordinate loading of vehicles with TEO and ship's CCO.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. LFM 03, AMPHIBIOUS EMBARKATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.3.3 INSPECT AAV UNIT EMBARKATION PROCEDURES

CONDITION(S): Given a mission, personnel and equipment to be embarked, and LFM 03.

STANDARD: Inspect AAV unit embarkation procedures including preparation of personnel, cargo. supplies, vehicles, and equipment for embarkation as per the reference.

PERFORMANCE STEPS:

1. Ensure that effective team planning is taking place between AAV unit and supported unit.

Appendix A to
ENCLOSURE (6)

2. Inspect unit organization for efficient assignment of personnel responsibilities and duties.
3. Inspect assignment to teams/elements,
4. Ensure sufficient information of personnel and equipment to be embarked is being forwarded to embarkation officer.
5. Inspect equipment and supplies being crated or boxed to facilitate stowage and handling.
6. Inspect boxes and crates being properly marked to indicate contents.
7. Ensure vehicle fuel tanks do not exceed 3/4 capacity, and that other vehicle preparation is performed which will help ensure the success of the mission.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. LFM 03, AMPHIBIOUS EMBARKATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.3.4 DIRECT PREPARATION FOR EMBARKATION OF AAV'S ONTO AIRCRAFT

CONDITION(S): Given crewed AAV's prepared for aircraft embarkation, an aircraft with loadmasters, FMFM 4-6, and FM 55-9.

STANDARD: Direct preparation of the AAV's for embarkation onto the aircraft by inspecting the AAV's along with the loadmaster, correcting any discrepancies prior to embarking, and ensuring the AAV's are boarded and secured to the aircraft, as per the references.

PERFORMANCE STEPS:

1. Direct preparation of the AAV's for embarkation.
2. Direct transportation of the AAV's to the assembly/ embarkation area.
3. Supervise final checks and preparations of vehicles for air embarkation.
4. Ensure sufficient quantities and type of rolling and parking shoring and dunnage are readily available.
5. Coordinate with the Departure Airfield Control Group (DACG) and with the Air Force command and control ground personnel.
6. Supervise drivers in following loadmaster directions and guidance, and driving their AAV's onto the aircraft.
7. Supervise securing the vehicles inside the aircraft following the guidance of the loadmaster.

REFERENCE(S):

1. FM 55-9, UNIT AIR MOVEMENT PLANNING
2. FMFM 4-6, MOVEMENT OF UNITS IN AIR FORCE AIRCRAFT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.3.5 CONDUCT AMPHIBIOUS EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT

CONDITION(S): Given an AAV with crew, loading manifest, LFM 03, and TM 09674A-10/3.

STANDARD: Conduct amphibious embarkation of AAV and associated combat essential equipment ensuring vehicle is prepared for embarkation, vehicle is marked and driven to embarkation area, and vehicle is secured on the ship, as per the references.

PERFORMANCE STEPS:

1. Receive movement order from higher headquarters.
2. Perform Pre-water operations checks of AAV.
3. Establish communications with primary control ship.
4. Conduct movement to ship.
5. Embark AAV aboard ship.
6. Park AAV, following ground guide signals.
7. Gripe down vehicle.
8. Perform after operations checks on AAV.

REFERENCE(S):

1. LFM 03, AMPHIBIOUS EMBARKATION
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.3.6 CONDUCT LAND EMBARKATION OF AAV' S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT

CONDITION(S): Given an AAV with crew, a railcar or truck with loading personnel, and applicable TM's.

STANDARD: Conduct embarkation of AAV and associated combat essential equipment onto railcar or truck, ensuring vehicle is secured as per the references.

PERFORMANCE STEPS:

1. Move AAV to embarkation location.
2. Prepare AAV for land embarkation.
3. Follow guidance of loading personnel in driving onto railcar/truck.
4. Gripe AAV down and check as required.
5. Have rail/truck loading supervisor inspect vehicle position/gripping.

REFERENCE(S):

1. FM 55-30, ARMY MOTOR TRANSPORT UNITS AND OPERATIONS
2. TM 55-601, RAILCAR LOADING PROCEDURES
3. TM 55-2200-001-12, APPLICATION OF BLOCKING, BRACING, AND TIEDOWN MATERIALS FOR RAIL TRANSPORT
4. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.3.7 CONDUCT EMBARKATION OF AAV'S ONTO AIRCRAFT

CONDITION(S): Given an AAV prepared for embarkation, crew, an aircraft with loadmasters, and FMFM 4-6.

STANDARD: Conduct embarkation of the AAV onto aircraft by inspecting the AAV along with the aircraft loadmaster, correcting any discrepancies prior to embarking, ensuring the AAV is driven aboard and secured inside the aircraft, as per the reference.

PERFORMANCE STEPS:

1. Prepare the AAV for embarkation.
2. Transport the AAV to the assembly/embarkation area.
3. Make final checks and preparations of AAV for air embarkation.
4. Following loadmaster direction and guidance, drive the AAV onto the aircraft.
5. Secure the vehicle inside the aircraft following the guidance of the loadmaster.

REFERENCE(S):

1. FMFM 4-6, MOVEMENT OF UNITS IN AIR FORCE AIRCRAFT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.3.8 PROVIDE INPUT FOR LOAD PLANNING OF AAV EQUIPMENT

CONDITION(S): Given an OPORD, list of available personnel and equipment, and LFM 03.

STANDARD: Provide, through the chain of command to the embarkation officer, input necessary to provide information as shown in the Embarkation Unit Organization for Embarkation Assignment to Shipping Table in LFM 03.

PERFORMANCE STEPS:

1. Determine number of officers/enlisted to be embarked.
2. Determine the square foot equivalent of the vehicles to be embarked.
3. Determine the cubic feet of bulk cargo to be embarked.
4. Provide input on priority of vehicles and cargo.
5. Provide information up the chain of command in the form of the Embarkation Unit Organization for Embarkation and Assignment to Shipping Table.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. LPM 03, AMPHIBIOUS EMBARKATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 4 - COMMAND AND CONTROL

TASK: 1803.4.1 ADVISE SUPPORTED UNIT COMMANDER ON UTILIZATION OF AAV UNIT

CONDITION(S): Given an operational situation requiring AAV support, a supported unit, FMFM 3-1, and FMFM 9-2.

STANDARD: Advise supported unit commander on utilization of AAV unit so that the technical expertise of the AAV Officer is used in support of the mission. Take into account both the abilities and the limitations of the AAV. Scenarios which call for the AAV to perform a mission for which it is not well suited, or which will result in uncalled-for hazard to safety, will be brought to the attention of the commander.

PERFORMANCE STEPS:

1. Analyze with the supported unit commander the intended use of AAV's to support the mission.
Consider:
 - a. Shore-based and afloat training required.
 - b. Missions and task assignments for the various AAV units.
 - c. Organization for embarkation and landing.
 - d. Techniques of ship-to-shore movement.
 - e. Employment of amphibious vehicles ashore, including used in mechanized task force operations.
 - f. Supply and maintenance considerations.
 - g. Safety considerations affecting AAV employment.
 - h. Safety considerations affecting amphibious vehicle employment.
 - i. Amount and type of augmentation required by various AAV units.
2. Consider with the supported unit commander intelligence information of importance to the AAV unit effectiveness in supporting the mission.
 - a. Hydrography.
 - b. Prevailing surf conditions.
 - c. Tides and currents.
 - d. Exits from the beach.
 - e. Trafficability of inland terrain.
 - f. Number, type, and strength of enemy beach defensive installations.
 - g. Enemy offshore underwater defensive barriers.
 - h. Enemy armor and antiarmor/anti-mechanized capabilities.
3. Report to the commander any factors which would limit the effectiveness of AAV's, or which pose problems to AAV use.
4. Recommend solutions to any limiting factors, which would enhance the usefulness of AAV's in the mission.
5. Advise on assignment of AAV's to various classes of shipping.
6. Advise on optimum distance from launching circle to LOD and from LOD to beach, based on the AAV standpoint.
7. Advise on techniques for unloading infantry troops on the beach or transport in further mechanized operations.

8. Advise on employment of AAV's in transfer operations.
9. Advise on optimum AAV formations and timing of AAV waves.
10. Assist in planning for use of AAV's as floating or mobile dumps.
11. Advise on AAV cargo carrying capacity.
12. Assist landing support officer in planning for combat service support employment of AAV units.
13. Coordinate all aspects of AAV employment with Naval control groups and ships involved in AAV operations as authorized by supported unit commander.
14. Advise on maintenance requirements and other maintenance considerations for AAV units.
15. Advise on requirement of AAV units for POL during operations ashore.
16. Assist in planning for use of AAVC7A1's in command and control.
17. Assist in planning for AAV use in special operations.
18. Advise on communication and control measures during night operations.
19. Advise on safety requirements for embarking personnel and pre-embarkation training.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 3-1, COMMANDS AND STAFF ACTION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.2 CONTROL RADIO COMMUNICATIONS OF AAV UNIT

CONDITION(S): Given an AAV unit, a mission, Communications-Electronic Operating Instructions (CEOI), and TM 11-5820-890-10-1.

STANDARD: Control radio communications of AAV unit so that a radio net is opened and all stations enter the net as per the references.

PERFORMANCE STEPS:

1. Load radio with authorized SC frequency, frequency hopping (FH) data, and COMSEC.
2. Perform NCS duties and open the net.
3. During net operations, update FH data using electronic remote fill (ERF) as needed.
4. Conduct late net entry as needed.
5. Enforce standard radio procedures.
6. Coordinate with unit or supported unit communications officer for call signs and frequencies.
7. Distribute daily call signs and frequencies to all stations on net.
8. Establish self as net control, authorizing stations to become operational on net using AAV unit organic communications equipment.
9. Enforce "listening silence".
10. Recognize electronic countermeasures (ECM) and implement electronic counter countermeasures (ECCM) under the guidance of the communications officer.

REFERENCE(S):

1. FM 10-1, COMMUNICATIONS
2. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO, ICOM

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.3 CONTROL AAV UNIT/TEAM MANEUVER ELEMENTS

CONDITION(S): Given an AAV unit/team, a mission, and a combat situation.

STANDARD: Control team maneuver elements, so that movement of the team is accomplished as quickly as the situation allows, with minimum exposure to fire and/or observation and in a way to best support the mission.

PERFORMANCE STEPS:

1. Maintain control over maneuver elements.
 - a. Designate lead and trail elements.
 - b. Move with the element that allows best control of the operation.
 - c. Determine mode of movement (traveling, traveling overwatch, bounding overwatch).
 - d. Ensure elements maintain dispersion laterally and in depth.
 - e. Ensure visual contact is maintained between adjacent vehicles.
 - f. Ensure vehicles make maximum use of terrain for cover and concealment.
 - g. Ensure each vehicle moves by separate, covered, and concealed route if possible.
2. Maintain detailed plot on location of all elements.
3. Ensure subordinate elements use internal methods of maneuver control.
4. Ensure subordinate elements assigned special missions are controlled.
5. Ensure operational reports are included in reports control system.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.4 CONTROL AAV COMPANY/TEAM TECHNIQUES OF MOVEMENT

CONDITION(S): Given a company of AAV's with full crews, 1:50,000 map, and combat situation.

STANDARD: Accomplish movement of the unit as quickly as the enemy situation allows, with minimum exposure to enemy fire and observation.

PERFORMANCE STEPS:

1. Designate lead and trail elements.
2. Move with element that best allows control of the operation.

3. Determine mode of movement (traveling, traveling overwatch, bounding overwatch).
4. Ensure platoons maintain dispersion, both laterally and in depth.
5. Ensure visual contact is maintained between adjacent platoons.
6. Ensure platoons make maximum use of terrain for cover and concealment.
7. Ensure each platoon moves by separate, covered, and concealed route, if possible.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.5 DIRECT A TACTICAL ROAD MARCH

CONDITION(S): As commander of an AAV unit in a field environment, given an OPORD directing you to conduct a tactical road march, maps, overlays, and SOP.

STANDARD: Direct a tactical road march so that your unit departs from the SP and passes through the subsequent checkpoints and RP's at the stated speed, time, interval, and order of march.

PERFORMANCE STEPS:

1. Receive and analyze the mission.
2. Issue the warning order.
3. Develop an estimate of the situation.
4. Develop a tentative movement plan.
5. Begin movement or preparation for movement.
6. Conduct reconnaissance.
7. Complete the plan.
8. Conduct tactical road march.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.6 DIRECT A RELIEF IN PLACE AT COMPANY LEVEL

CONDITION(S): As commander of an AAV unit in a combat environment, given an order to conduct a relief in place maps, overlays, and SOP.

STANDARD: Direct a relief in place, assuming responsibility for the combat mission of the relieved unit(s) and assigning positions and sectors of fire without loss of security, following higher commander's guidance and intent.

PERFORMANCE STEPS:

1. Receive and analyze the mission.
2. Issue the warning order.
3. Develop an estimate of the situation.
4. Make a tentative plan.
5. Conduct movement or preparation for movement.
6. Conduct reconnaissance.
7. Conduct coordination.
8. Complete the plan.
9. Supervise troop-leading procedures of subordinate elements.
10. Ensure commanders or their representatives collocate and conduct final coordination.
11. Issue a FRAGO if necessary.
12. Direct the relief in place.
13. Assume or relinquish, as appropriate, responsibility for the battle.
14. Supervise the relief of CS and CSS elements.
15. Report the relief to higher headquarters.
16. Continue to modify and refine the plan.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FM 71-2, THE TANK AND MECHANIZED INFANTRY BATTALION TASK FORCE
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.7 DIRECT A BATTLE HANDOVER/PASSAGE OF LINES AT COMPANY LEVEL

CONDITION(S): As commander of an AAV unit in a field environment, given an OPORD that requires a battle handover and passage of lines, maps, overlays, and SOP.

STANDARD: Direct a battle handover/passage of lines so the moving force moves forward or rearward through the stationary force without degrading the stationary force defense, complying with commander's guidance and intent, and having enough combat power to continue operations at the conclusion of the passage of lines.

PERFORMANCE STEPS:

1. Develop a plan.
2. Conduct reconnaissance of routes, passage lanes, and passage points.
3. Review and coordinate plan with stationary force.
4. Complete the plan.
5. Conduct rehearsals.
6. Direct your CP to collocate with the CP of the stationary force.

7. Conduct passage of lines.
8. Provide information updates as needed, and maintain communications with higher headquarters and adjacent units.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FM 71-2, THE TANK AND MECHANIZED INFANTRY BATTALION TASK FORCE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.8 DIRECT ASSEMBLY AREA ACTIVITIES

CONDITION(S): As commander of an AAV unit in a field environment, given an OPORD directing you to occupy an AA in preparation for combat operations, maos, overlays, and SOP; an enemy with capability to attack with indirect fires, CAS, and small platoon-sized elements.

STANDARD: Direct the occupation of an AA ensuring all-around security while preparing the unit for the next mission, in compliance with the next higher commander's guidance and intent, and as per SOP.

PERFORMANCE STEPS:

1. Receive and analyze the mission.
2. Issue a warning order.
3. Make an estimate of the situation.
4. Develop a plan to occupy the AA.
5. Dispatch quartering party.
6. Complete the plan using reconnaissance reports and further intelligence.
7. Issue FRAGO's as necessary.
8. Conduct road march as necessary.
9. Ensure vehicles occupy the AA in accordance with the plan.
10. Ensure security of the AA.
11. Ensure subordinates follow priority of activities.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.9 NAVIGATE FROM AN AAV

CONDITION(S): Given an AAV with crew, an operational area, a military map of the operational area, a known start point and a destination.

STANDARD: Navigate from the AAV, using the map and terrain analysis, from the start point to the destination directing the AAV along the route.

PERFORMANCE STEPS:

1. Plan the route to move from terrain feature to terrain feature, considering the tactical aspects and ease of movement of the route.
2. Use terrain features as checkpoints as the AAV moves along the route.
3. Follow terrain features.
4. Determine approximate directions of the various segments of the route.
5. Determine total distance and distance between checkpoints.
6. Make written or mental notes to remember terrain features as they are being passed.
7. Use GPS/PLRS.

REFERENCE(S):

1. FM 21-26, MAP READING AND LAND NAVIGATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.4.10 TASK ORGANIZE AN AAV UNIT/TEAM

CONDITION(S): Given an operation plan/order, AAV's, and other tactical maneuver unit assets.

STANDARD: Task organize an AAV unit/team so that the mission may be efficiently carried out. List all tactical, administrative, and service groupings, and the commanders of each, and develop a visual representation of the organization for combat.

PERFORMANCE STEPS:

1. Determine/analyze the tasks to be performed in support of the supported unit.
2. Make recommendations to supported unit commander on task organization for mission accomplishment.
3. When authorized, allocate available means to accomplish the task by reviewing assets with the G/S-3.

REFERENCE(S):

1. FMFM 3-1, COMMAND AND STAFF ACTION
2. FMFM 9-2, AMPHIBIOUS VEHICLES
3. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)
4. FM 21-26, MAP READING AND LAND NAVIGATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 5 - AMPHIBIOUS OPERATIONS

TASK: 1803.5.1 SUPERVISE AAV TROOPLADING

CONDITION(S): Given a fully operational and crewed AAV, up to 25 infantry personnel to embark, and local unit SOP.

STANDARD: Supervise AAV trooploading so that troops occupy the vehicle, take their positions, and conduct safe weapon procedures. Embarkation will take place only after passenger safety briefs and emergency debarkation drills have been performed and a manifest has been submitted.

PERFORMANCE STEPS:

1. Supervise completion of pre-operation checklist/manifest.
2. Supervise review of pre-operation checklist for accuracy.
3. Supervise safety brief to embarking personnel.
4. Supervise inspection of personnel embarking for proper equipment.
5. Ensure personnel are seated properly.
6. Supervise completion of pre-operation checklist/manifest and ensure it is delivered to the AAV chain of command.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. OH 6-1, GROUND COMBAT OPERATIONS
3. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)
4. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
5. FM 21-306, MANUAL FOR THE TRACK COMBAT VEHICLE DRIVER
6. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.2 ACCOUNT FOR PERSONNEL EMBARKED ON AAV'S

CONDITION(S): Given an AAV unit, a supported unit, troops to embark, and a vehicle manifest/pre-water operations checklist form.

STANDARD: Account for embarked personnel by ensuring that vehicle crew chiefs list each passenger and crew member embarked, on the vehicle manifest/pre-water operations checklist, and that the manifest is left with the ship's First Lieutenant or designated unit representative ashore prior to AAV launch.

PERFORMANCE STEPS:

1. Ensure AAV crew chiefs properly inspect all personnel embarking.
2. Ensure crew chiefs collect information on each person embarking on AAV's.
3. Ensure vehicle manifest/pre-water operations checklist is delivered to ship's First Lieutenant or designated unit representative ashore via AAV chain of command prior to AAV launch.
4. Prior to re-embarking on the AAV, ensure crew chiefs account for all personnel that were originally embarked on the AAV.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 6-12, AAV EMPLOYMENT
3. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.3 ANALYZE LANDING PLANS

CONDITION(S): Given landing plans, a supported unit, and tactical scenario

STANDARD: Analyze landing plans, in order to provide the supported commander with the advice necessary to make the best use of AAV assets in support of the amphibious operation.

PERFORMANCE STEPS:

1. Examine the Landing Diagram and extract the AAV-borne scheduled waves of an assault.
2. Examine the Approach Schedule and extract the wave schedules.
3. Analyze the Landing Craft and Amphibious Vehicle Assignment Schedule and verify the boat team assignments.
4. Analyze the Serial Assignment Table to determine the group of troop units to be landed on a specified beach at the same approximate time.
5. Analyze the Landing Sequence Table to determine the priority of landing of nonscheduled serials.
6. Analyze the Assault Schedule to determine the composition and timing of waves landing over designated beaches.
7. Analyze the Amphibious Vehicle Availability Table to determine the type, number and ship location of amphibious vehicles which are available to the landing force.
8. Provide the Landing Force and Amphibious Task Force representatives with input for the Amphibious Vehicle Employment Plan.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 6-12, AAV EMPLOYMENT
3. NWP 22-3 (Rev B)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.4 CONDUCT AAV UNIT BRIEFING

CONDITION(S): Given an operation order, and AAV personnel to brief.

STANDARD: Conduct AAV unit briefing so that all crews are aware of the overall mission and their role in the mission.

PERFORMANCE STEPS:

1. Review the operation order from higher headquarters.
2. Conduct the brief.

3. Coordinating instructions should include the following:

- a. Type of launch expected.
- b. Weather, sea, and tidal conditions expected.
- c. Prelaunch warm up time and sequence.
- d. Time for undogging AAV's.
- e. Staging of AAV's.
- f. Planned time to launch.
- g. Review of launch signals.
- h. Barriers to landing expected.
- i. Radio checks per EMCON condition.
- j. Beach characteristics.
- k. Boat lane location.
- l. Multiple vehicle launches from a single ship.
- m. Simulated launches from multiple ships.
- n. Launch interval.
- o. Launch sequence.
- p. Ballast conditions.
- q. Hand and arm signals.
- r. Flag and flashing light signals.
- s. Frequencies and call signs.
- t. Designation of wave guides and commanders.
- u. Naval Control Group command and control.
- v. Recovery planning if vehicles become disabled.
- w. Signals for emergency lifting of NGF.
- x. Procedures for vehicle stalled in well deck.
- y. Magnetic compass information.
- z. Location of Line of Departure.

Confirm with questions.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 3-1, COMMAND AND STAFF ACTION
3. LPM 03, AMPHIBIOUS EMBARKATION
4. FM 21-60, VISUAL SIGNALS
5. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
6. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.5 ADVISE SUPPORTED UNIT COMMANDER

CONDITION(S): Given a mission, an order directing support or attachment, and a supported unit.

STANDARD: Conduct liaison with supported unit commander by advising the commander on employment of AAV's to support the mission so that the mission support commences as per the commander's guidance and intent.

PERFORMANCE STEPS:

1. Analyze supported unit's mission.
2. Coordinate with supported unit staff for needed information and support.
3. Conduct detailed terrain analysis of mission area.
4. Analyze armored, ATGM, and mine threat posed by enemy.
5. Develop AAV estimate of supportability.
6. Advise on assignment of AAV's to various classes of shipping.
7. Advise on optimum distance from launch area to LOD and from LOD to beach, based on the AAV standpoint.
8. Advise on techniques for unloading infantry troops on the beach or transport in further mechanized operations.
9. Advise on employment of AAV's in transfer operations.
10. Advise on optimum AAV formations and timing of AAV waves.
11. Assist in planning for use of AAV's as floating or mobile dumps.
12. Advise on AAV cargo carrying capacity.
13. Assist landing support officer in planning for combat service support employment of AAV units.
14. Coordinate all aspects of AAV employment with Naval control groups and ships involved in AAV operations.
15. Advise on maintenance requirements and other maintenance considerations for AAV units.
16. Advise on requirement of AAV units for POL during operations ashore.
17. Assist in planning for use of AAVC7A1's in command and control.
18. Assist in planning for AAV use in special operations.
19. Advise on for communication and control measures during night operations.
20. Advise on safety requirements for embarking personnel and pre-embarkation training.
21. Develop appropriate plans after receipt of commander's decision.
22. Keep commander advised of any changes in operational status of AAV's.
23. Continue coordination with supported unit staff for support as needed.

REFERENCE(S):

1. FMFM 3-1, COMMAND AND STAFF ACTION
2. FMFM 9-2, AMPHIBIOUS VEHICLES
3. JCS PUB 3-02, JOINT DOCTRINE FOR AMPHIBIOUS OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.6 COORDINATE DEBARKATION PLANS WITH NAVAL PERSONNEL

CONDITION(S): Given Naval shipping on which AAV's are embarked, supported unit, and Naval personnel to coordinate with.

STANDARD: Coordinate with Naval personnel on debarkation by attending the pre-assault briefing and providing any special input to the briefing as necessary.

PERFORMANCE STEPS:

1. Determine if supported unit commander has any issues needing special coordination with Naval personnel.
2. Attend pre-assault briefing as technical expert for AAV unit.
3. Coordinate debarkation preparations with the ship's First Lieutenant.
4. Ensure all parties understand the ship-specific procedures for guiding the AAV's into place for launch and debarkation from the ship.
5. Ensure ship's personnel are briefed to look for watertight integrity before vehicles splash.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 6-12, AAV EMPLOYMENT
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.7 COORDINATE RE-EMBARKATION PLANS WITH NAVAL PERSONNEL

CONDITION(S): Given communication equipment or methods, current weather conditions, and equipment.

STANDARD: Coordinate with Naval personnel on re-embarkation so that an effective movement from the beach back to shipping is effected.

PERFORMANCE STEPS:

1. Establish communications with ship.
2. Send liaison party aboard ship with communications equipment if necessary.
3. Advise on any special handling of vehicles required at ship.
4. Submit surf report to ship.
5. Submit SITREP to ship.
6. Report any operational delays (and reasons for delays) to ship.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 6-12, AAV EMPLOYMENT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.8 DIRECT THE EXECUTION OF AAV UNIT WATERBORNE SHIP-TO-SHORE MOVEMENT

CONDITION(S): Given an AAV unit debarked from a ship and an operations plan.

STANDARD: Direct AAV crewmen in driving the AAV's from ship-to-shore in accordance with the operations plan. Movement will be in the designated formation and the first wave will touch down within 15 seconds of H-hour.

PERFORMANCE STEPS:

1. Direct maneuvering of AAV's into required tactical wave formations per the landing plan.
2. Monitor communications with primary control ship (PCS) and other AAV's in wave.
3. Monitor internal communications and direct only necessary communications be passed.
4. Ensure proper interval between AAV's is maintained.
5. Ensure AAV's guide on wave commander.
6. Control speed of transit of wave commanders' vehicle in order to ensure proper touchdown of the wave.
7. Keep supported unit commander notified of situation as it progresses.
8. Advise/order emergency operations/vehicle recovery if required.
9. Control planned changes to waterborne formation outside the surf zone, when ordered.
10. Control the sequence and employment of mine clearance systems.
11. Control movement of AAV's into cleared lanes.
12. Ensure AAV unit leaders report their waves touchdown.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 6-12, AAV EMPLOYMENT
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.5.9 SUPERVISE PREPARATION OF AAV ELEMENT FOR DEBARKATION

CONDITION(S): Given an AAV unit, surf reports, sea state, weather conditions, operations plan, and troops prepared to embark on the AAV's.

STANDARD: Monitor preparation of AAV element for debarkation, so the vehicles are prepared for debarkation, embarking troops have received the proper safety briefs, and all crewmembers have been briefed on the operation and on crew safety procedures.

PERFORMANCE STEPS:

1. Conduct surf analysis based on latest surf reports.
2. Consider sea state and weather conditions.
3. Coordinate with Amphibious Task Force (ATF) representatives on AAV launch.

4. Ensure crew chiefs and crews have received pre-operations briefing and understand the mission and operations plan.
5. Ensure crew chiefs supervise/perform pre-operations checks of AAV's and sign off on completion of checks.
6. Ensure ship's ventilation fans are operating before engines are started and warmed up.
7. Direct crews to "undog", remove, and store "gripes" and cables at proper time.
8. Ensure all embarking troops have received safety brief, rehearsed, and know emergency procedures.
9. Ensure crew chiefs submit signed and verified vehicle manifest, via the AAV unit chain of command, to the ship's First Lieutenant.
10. Notify ship's First Lieutenant when AAV's are ready to stage for launch.
11. Direct crews to stage for launch.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 6-12, AAV EMPLOYMENT
3. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7AI

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 6 - TACTICS

TASK: 1803.6.1 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN COMBAT OPERATIONS

CONDITION(S): Given a tactical situation, a supported unit commander, an AAV unit, and FMFM 9-1.

STANDARD: Advise supported unit commander on AAV employment in combat operations so that the mobility and firepower offered by the AAV is effectively utilized.

PERFORMANCE STEPS:

1. Advise supported unit commander on the best use of AAV's in movement to contact.
2. Advise supported unit commander on best use of AAV's in reconnaissance in force.
3. Advise supported unit commander on best use of AAV's in coordinated attack.
4. Advise supported unit commander on best use of AAV's in exploitation.
5. Advise supported unit commander on best use of AAV's in pursuit.
6. Advise supported unit commander on best use of AAV's in raids.
7. Advise supported unit commander on best use of AAV's in the defense.

REFERENCE(S):

1. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
2. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.2 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN SPECIAL COMBAT OPERATIONS

CONDITION(S): Given a special combat operational situation and an AAV unit in support of an infantry unit.

STANDARD: Advise supported unit commander on AAV employment in special combat operations so that the most effective use is made of AAV's under the conditions, and that due consideration is given to special planning and support needs as governed by the type of operation.

PERFORMANCE STEPS:

1. Advise supported unit commander on special considerations and planning for AAV employment in night operations.
2. Advise supported unit commander on special considerations and planning for AAV employment in desert operations.
3. Advise supported unit commander on special considerations and planning for AAV employment in jungle operations.
4. Advise supported unit commander on special considerations and planning for AAV employment in mountain operations.
5. Advise supported unit commander on special considerations and planning for AAV employment in cold weather operations.
6. Advise supported unit commander on special considerations and planning for AAV employment in MOUT
7. Advise supported unit commander on special considerations and planning for AAV employment in river crossings.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. OH 6-1, GROUND COMBAT OPERATIONS
3. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7AI

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.3 ADVISE SUPPORTED UNIT COMMANDER ON MOVEMENT TECHNIQUES USING AAV'S

CONDITION(S): Given an AAV unit, a tactical situation, a supported unit, and an operational area.

STANDARD: Recommend to supported unit commander which mounted movement techniques would best support his mission based on the overall situation, likelihood of enemy contact, and speed required by the tactical situation.

PERFORMANCE STEPS:

1. Advise unit commander to use traveling when enemy contact is not likely and speed is important. Advise on AAV capabilities and considerations for movement by traveling.
2. Advise unit commander to use traveling overwatch when enemy contact is possible but speed is still important. Advise on AAV capabilities and considerations for movement by traveling overwatch.
3. Advise unit commander to use bounding overwatch when enemy contact is expected. Advise on AAV capabilities and considerations for movement by bounding overwatch.

REFERENCE(S):

1. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
2. FM 21-306, MANUAL FOR THE TRACK COMBAT VEHICLE DRIVER
3. FM 21-60, VISUAL SIGNALS
4. FMFM 6-12, AAV EMPLOYMENT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.4 DIRECT AN AAV UNIT IN EXECUTING AN EXPLOITATION

CONDITION(S): Given an AAV unit with personnel, operational vehicles, a 1:50,000 military map of the operational area, and an OPORD.

STANDARD: Direct an AAV unit in executing an exploitation by utilizing movement to contact techniques, deploying as necessary, employing movement techniques and formations in accordance with the tactical situation, and preparing for continuation of offensive operations.

PERFORMANCE STEPS:

1. Estimate enemy situation.
2. Task organize AAV unit in accordance with mission.
3. Disseminate OPORD.
4. Select movement techniques in accordance with enemy threat.
5. Direct organic and supporting fire upon enemy contact.
6. Determine whether to bypass or attack enemy positions in route to objective.
7. Direct AAV unit in attack of objective.
8. Direct consolidation and reorganization on the objective.
9. Direct preparation for continuation of offensive operations.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 6-12, AAV OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.5 DIRECT AN AAV UNIT IN EXECUTING A DISENGAGEMENT

CONDITION(S): Given an AAV unit with personnel engaged in combat with the enemy, a 1:50,000 military map of the operational area, and an order to break contact.

STANDARD: Direct an AAV unit in so that contact with the enemy is broken and freedom of maneuver is re-established.

PERFORMANCE STEPS:

1. Disseminate order to disengage.
2. Direct continuation of supporting arm fires, smoke, and appropriate direct fires.

3. Displace the CP, trains, and mortars to locations that will permit these elements to provide adequate support.
4. Designate routes for the unit's ultimate destination and subsequent overwatch positions.
5. Increase the intensity of supporting fires and smoke to suppress and obscure enemy elements in contact.
6. Displace vehicles along covered, concealed route(s) to designated positions using appropriate techniques of movement.
7. Direct overwatch elements to engage any pursuing enemy. Direct moving elements to return fire and continue to move to covered positions.
8. Control movement to ensure that an overwatch element is always protecting a bounding element.
9. Continue to move, employing the appropriate movement techniques with fire and maneuver, until contact is permanently broken or the unit's ultimate destination is reached.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 6-12, AAV OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.6 DIRECT AN AAV UNIT IN THE EXECUTION OF A BREAKOUT FROM ENCIRCLEMENT

CONDITION(S): Given an AAV unit with personnel, operational vehicles, a 1:50,000 military map of the operational area, and an order to conduct a breakout in support of higher headquarters tactical requirements.

STANDARD: Direct an AAV unit in the execution of a breakout from encirclement against the enemy's weakest point as per the higher commander's guidance and intent.

PERFORMANCE STEPS:

1. Disseminate warning order to AAV unit.
2. Plan breakout.
3. Coordinate with stationary linkup force.
4. Disseminate operation plans to sub-elements.
5. Direct rupture force to attack and seize planned objective.
6. Direct reserve force to secure gap in enemy forces created by rupture force.
7. Direct CS/CSS elements to follow in trace of reserve force.
8. Direct reserve force to break contact. Have rear guard assist reserve force as necessary.
9. Direct all elements to move rapidly to designated linkup area.
10. Direct rear guard commander to inform AAV unit leader when link-up is complete.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 6-12, AAV OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.7 DIRECT A DELAY

CONDITION(S): As commander of an AAV unit in a combat environment, given an OPORD directing you to delay, maps, overlays, and SOP.

STANDARD: Direct a delay, avoiding decisive engagement, so the enemy will be delayed forward of the designated phase line until the time specified in the OPORD, in compliance with the higher commander's intent. You must have enough combat power at the conclusion of the delay to conduct other operations.

PERFORMANCE STEPS:

1. Develop a plan that identifies normal defensive operational considerations and designations.
2. Begin movement and preparation.
3. Conduct reconnaissance of sector, routes, and BP's.
4. Coordinate with adjacent units to ensure enemy cannot bypass your position.
5. Conduct rehearsals.
6. Complete the plan based on reconnaissance reports and further intelligence.
7. Conduct preparation and occupation of delay position.
8. Detect enemy approach in time to react.
9. Direct unit to engage enemy.
10. Use decision points to direct platoon actions.
11. Adjust fires and positions to delay enemy.
12. Initiate FPF when appropriate.
13. Conduct counterattacks when appropriate.
14. Provide information updates as needed, and maintain communications with higher headquarters and adjacent units.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 6-12, AAV OPERATIONS
3. FM 101-5, STAFF ORGANIZATION AND OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.8 DIRECT A HASTY BREACH

CONDITION(S): As commander of an AAV unit conducting an offensive operation in a combat environment, having encountered an obstacle that cannot be bypassed, and given maps, overlays, annexes, and SOP.

STANDARD: Direct a hasty breach by securing the near side of the obstacle, breaching the obstacle, marking the breach, securing the far side of the obstacle, and moving through the obstacle, while maintaining communications with higher, lower, and adjacent units. Your unit must have enough combat power to continue the mission after completing the breach.

PERFORMANCE STEPS:

1. Conduct or direct a hasty reconnaissance.
2. Develop a plan for the breach operation.
3. Direct support force activities.
4. Direct breach force activities.
5. Direct assault force activities.
6. Direct movement of units through obstacle.
7. Conduct command and control activities.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 6-12, AAV OPERATIONS
3. FM 20-32, MINES AND COUNTERMOBILITY OPERATIONS
4. FM 71-2, THE TANK AND MECHANIZED INFANTRY BATTALION TASK FORCE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.9 DIRECT A HASTY DEFENSE

CONDITION(S): As commander of an AAV unit in contact with the enemy, given an order to conduct or a situation that requires a hasty defense, maps, overlays, and SOP.

STANDARD: Direct a hasty defense so that the enemy is destroyed, repelled, or denied access to key terrain in compliance with commander's intent. Your unit must have enough combat power to continue combat operations.

PERFORMANCE STEPS:

1. Receive and analyze the mission.
2. Issue the warning order.
3. Make a tentative plan.
4. Begin movement or preparation for movement if required.
5. Conduct reconnaissance as time allows. At a minimum, conduct map reconnaissance.
6. Complete the plan.
7. Direct occupation of defense.
8. Supervise preparation of defense.
9. Monitor CSS operations.
10. Receive reports from platoons, and send necessary reports to higher headquarters.
11. Control platoon during defensive operations.

12. Ensure platoon detects enemy in time to react.
13. Direct engagement of enemy forces.
14. Integrate direct and supporting fires.
15. Integrate CAS/CIFS.
16. Adjust fires and subordinate unit positions to destroy the enemy.
17. Initiate FPF if required.
18. Direct counterattacks.
19. Provide information updates, as needed, and maintain communications with higher headquarters and adjacent units.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FM 71-2, THE TANK AND MECHANIZED INFANTRY BATTALION TASK FORCE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.10 DIRECT A MOVEMENT TO CONTACT

CONDITION(S): As commander of an AAV unit, given an order to conduct a movement to contact, vague enemy situation, maps, overlays, SOP, and annexes.

STANDARD: Direct a movement to contact that will result in gaining or regaining contact with the enemy and in developing the situation in accordance with the next higher commander's guidance and intent.

PERFORMANCE STEPS:

1. Receive and analyze the mission.
2. Issue the warning order.
3. Develop an estimate of the situation.
4. Make a tentative plan that identifies normal offensive operational considerations.
5. Begin movement or preparation for movement.
6. Conduct reconnaissance.
7. Complete the plan.
8. Direct unit movement and maneuver.
9. Direct unit actions on contact.
10. Reorganize and consolidate according to the plan

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 6-12, AAV EMPLOYMENT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.11 DIRECT A RIVERINE OPERATION

CONDITION(S): As commander of an AAV unit, given an order to conduct a riverine operation, enemy situation, maps, overlays, SOP, and annexes.

STANDARD: Direct a riverine operation that will result in developing the situation in accordance with the next higher commander's guidance and intent.

PERFORMANCE STEPS:

1. Receive and analyze the mission.
2. Issue the warning order.
3. Develop an estimate of the situation.
4. Make a tentative plan that considers tides, currents, hydrography, weather, fields of fire and observation.
5. Begin movement or preparation for movement.
6. Conduct reconnaissance.
7. Complete the plan.
8. Direct unit movement and maneuver.
9. Direct unit actions on contact.
10. Reorganize and consolidate according to the plan.
11. When directed, assume responsibility as MRF commander, directing the employment of AAVs, Riverine Assault Craft (RAC), and Navy landing craft as required.

REFERENCE(S):

1. FMFM 7-5, NWP 13
2. FMFM 6-12, AAV EMPLOYMENT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.12 ORDER OPERATIONAL CHECKS OF MATERIEL

CONDITION(S): Given a unit mission, one or more fully operational and crewed AAV's, and time.

STANDARD: Order operational checks of materiel as required to maintain operability of equipment as time becomes available during operations. Coordinate with unit commander in time management. Monitor time available to crews in achieving mission, and reconcile with duties required for maintenance and upkeep of the equipment.

PERFORMANCE STEPS:

1. Monitor time available in accomplishing mission.
2. Determine time availability with commander, and coordinate on security items.
3. Supervise and coordinate on security.
4. Direct all crews to conduct vehicle checks.
5. Direct security element to conduct checks when other vehicles are done, and have other crews take up security watch.

REFERENCE(S):

1. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.13 SUPERVISE PREPARATION OF AAV UNIT BATTLE POSITIONS

CONDITION(S): Given a mission, enemy situation, a map of the area of operation, and an AAV unit.

STANDARD: Supervise preparation of AAV unit battle positions by directing AAV crews in movement to battle positions, conducting reconnaissance, establishing local security measures, designating sectors and principle directions of fire, coordinating vehicle fighting positions, and coordinating supporting arms fire.

PERFORMANCE STEPS:

1. Halt unit to rear of battle position and conduct hasty reconnaissance.
2. Direct AAV crews in movement to the battle position using movement techniques appropriate to the threat, visibility, and terrain.
3. Arrive at the battle position and assist in conduct of another reconnaissance.
4. Establish local security measures utilizing AAV crews in support of infantry personnel.
5. Designate sectors and principle directions of fire, as directed by supported unit commander.
6. Coordinate with supported unit commander on general location of vehicle fighting positions.
7. Supervise crews in preparation and occupation of fighting positions in support to supported unit.
8. Designate alternate and supplementary fighting positions and covered and concealed routes between the positions.
9. Plan for use and coordination of supporting arms fire with supported and other supporting units.
10. Complete fire plan sketch.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FM 7-7, THE MECHANIZED INFANTRY PLATOON
3. FM 24-20, TACTICAL WIRE AND CABLE TECHNIQUES
4. FMFM 7-1, FIRE SUPPORT COORDINATION
5. FM 5-20, CAMOUFLAGE
6. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)
7. FMFM 6-12, AAV EMPLOYMENT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.14 SUPERVISE RECOVERY OF A DISABLED AAV

CONDITION(S): Given a mired, nosed-in or overturned AAV, a maneuverable tracked vehicle capable of towing the disabled AAV, crews, SL-3 items, vehicle TM, and FM 20-22.

STANDARD: Supervise the recovery of the disabled AAV so that the AAV is returned upright on solid ground, without injury to personnel or damage to vehicles or equipment, as per the references.

PERFORMANCE STEPS:

1. Reconnoiter area.
2. Estimate the situation.
3. Compute an estimated mechanical advantage for the rigging.
4. Compute the tackle resistance and total resistance.
5. Verify solution.
6. Rig AAV for recovery.
7. Recheck rigging.
8. Supervise the recovery operation.
9. Supervise the towing of the disabled AAV as needed.

REFERENCE(S):

1. FM 20-22, VEHICLE RECOVERY OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.15 SCAN AREA OF OPERATION

CONDITION(S): Given an AAV with crew and an area of operations.

STANDARD: Scan the area of operations, so that targets or possible target signatures are detected in a timely manner.

PERFORMANCE STEPS:

1. Conduct ground search using rapid-scan method.
2. Conduct ground search using slow (50 meter) scan method.
3. Conduct ground search using detailed search method.
4. Conduct air search using horizontal search and scan.
5. Conduct air search using vertical search and scan.

REFERENCE(S):

1. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS),
VOLUME I - TANK CREW HANDBOOK

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.16 IDENTIFY COMBAT VEHICLES

CONDITION(S): Given a visual sighting of friendly or enemy combat vehicles (including helicopters) of at least 10 seconds per vehicle, without the aid of references.

STANDARD: Identify combat vehicles (including helicopters) by stating the nomenclature, within a time limit of ten seconds per vehicle, as per the references.

PERFORMANCE STEPS:

1. Determine the type of vehicle (armored, tracked, wheeled, helicopter).
2. Determine identifying characteristics of the vehicle.
3. Determine all possible nomenclature alternatives.
4. Eliminate unlikely alternatives.
5. State the nomenclature of the vehicle.

REFERENCE(S):

1. FM 1-402, AVIATOR'S RECOGNITION MANUAL
2. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME II - TRAINER'S GUIDE
3. GTA 17-2-9, COMBAT VEHICLE IDENTIFICATION
4. GTA 17-2-13, ARMORED VEHICLE RECOGNITION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.6.17 CAMOUFLAGE AN AAV

CONDITION(S): Given an AAV with crew, SL-3 items, natural vegetation, and camouflage nets.

STANDARD: Camouflage the AAV so that detection by ground or air observers is avoided.

PERFORMANCE STEPS:

1. Break up the silhouette of the AAV.
2. Reduce glare.
3. Reduce vehicle signatures and noise.
4. Camouflage AAV's using camouflage netting.
5. Brush out or cover tracks of the AAV.

REFERENCE(S):

1. FM 5-20, CAMOUFLAGE
2. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
3. TM 5-1080-200-10, OPERATOR'S MANUAL, CAMOUFLAGE SCREEN SYSTEM LIGHTWEIGHT, RADAR SCATTERING AND CAMOUFLAGE SCREEN SUPPORT SYSTEM
4. FM 5-20, CAMOUFLAGE
5. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 7 - NUCLEAR, BIOLOGICAL AND CHEMICAL DEFENSE

TASK: 1803.7.1 DIRECT AAV UNIT CROSSING OF NUCLEAR CONTAMINATED AREA

CONDITION(S): Given an AAV unit, requirement from higher headquarters to cross a nuclear contaminated area, NBC 5 report, contamination overlay, and a situation map.

STANDARD: Direct AAV unit crossing of nuclear contaminated area in a manner that will result in the least possible contamination to personnel and equipment.

PERFORMANCE STEPS:

1. Post NBC 5 report and/or contamination overlay to situation map.
2. Determine best route.
3. Provide advance party or reconnaissance team with turnback dose and dose rate information and send them ahead to reconnoiter.
4. Provide additional shielding to vehicles if possible.
5. Provide personnel with as much protection from dust as possible.
6. Guide unit across contaminated area while employing contamination avoidance techniques.
7. Ensure operational exposure guidance is not exceeded.
8. Determine level of personnel and equipment contamination after clearing contaminated area (using available personnel and monitoring equipment).
9. Establish decontamination priorities and conduct decontamination.
10. Record total dose information and report to higher headquarters.

REFERENCE(S):

1. FMFM 11-2 (PM 3-100), NBC OPERATIONS
2. FMFM 11-8 (PM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (PM 3-4), NBC PROTECTION
4. FMFM 11-10 (PM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.2 SUPERVISE DELIBERATE DECONTAMINATION PROCEDURES FOR AAV'S

CONDITION(S): Given organic personnel and equipment to decontaminate, decontamination team with decon equipment, supplies, decontaminates to support deliberate decontamination, personnel decontamination stations (PDS), and equipment decontamination stations (EDS), and FMFM 11-10 (FM 3-5).

STANDARD: Supervise deliberate decontamination procedures for AAV's so that the equipment and personnel are decontaminated to a condition where the unit is able to resume the mission, as per the references.

PERFORMANCE STEPS:

1. Coordinate with decontamination team leader as to time of arrival, supplies, and personnel support to be furnished by the contaminated unit, and estimated time of completion.
2. Request route clearance to PDS/EDS assembly area.

3. Attach advance party to PDS/EDS.
4. Direct unit movement of main body to PDS/EDS and organize for decontamination processing.
5. Begin decontamination.
6. Ensure vehicles are processed through the EDS in accordance with type of contamination.
7. Ensure equipment is monitored for residual contamination.
8. Ensure personnel are processed through the various PDS.
9. Reorganize unit after decontaminating is complete in clean area upwind of residual contamination.
10. Prepare for resumption of mission.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.3 SUPERVISE HASTY DECONTAMINATION PROCEDURES FOR AAV'S

CONDITION(S): Given organic equipment, supplies, and decontaminants to support hasty decontamination, and FMFM 11-10 (FM 3-5).

STANDARD: Supervise hasty decontamination procedures for AAV's ensuring decontamination site is prepared, controlled, and operated as per the references.

PERFORMANCE STEPS:

1. Select hasty decontamination site.
2. Supervise preparation of hasty decontamination site.
3. Supervise hasty decontamination site.
4. Ensure personnel remove gross liquid chemical or nuclear contamination from individual protective overgarments, combat gear, and weapons with sticks or other improvised devices.
5. Supervise personnel in decontaminating individual protective gloves, hood, overboots, combat gear, and weapon.
6. Ensure decontaminated weapons are washed with water, dried, and lubricated.
7. Ensure contaminated protective covers covering essential equipment such as ammunition and POL are removed and decontaminated or disposed of.
8. Ensure assigned operators/crewmembers decontaminate their vehicles and/or crew served weapons.
9. Reduce MOPP if decontamination efforts are adequate as determined by chemical-agent detector kits.
10. Close and mark hasty decontamination site.

REFERENCE(S):

1. FMFM 11-2 (PM 3-100), NBC OPERATIONS

2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.4 SUPERVISE PREPARATION OF AAV'S FOR NUCLEAR ATTACK

CONDITION(S): Given a unit mission, a warning of imminent nuclear attack, a tactical situation, and an AAV unit with crews.

STANDARD: Supervise crew preparations of AAV's to withstand a nuclear blast making best use of available vehicle NBC systems and any field expedient measures possible.

PERFORMANCE STEPS:

1. Identify backup command and control procedures.
2. Alert any other units in area.
3. Remove any food, water, ammunition, etc. stored outside the vehicles and place inside vehicles or other hardened area.
4. Remove antennas and any other electronic equipment from hulls and store inside vehicles or other hardened location.
5. Direct all crews to use the NBC system on their vehicles and to secure all loose gear.
6. Position turrets directly away from blast direction, ensure brakes are unlocked and transmissions are in neutral. Ensure all hatches and outside accesses are closed, dogged, and sealed as best as possible.
7. If situation permits, leave the area of the imminent blast as quickly as possible. Otherwise, continue mission.
8. If situation will not permit leaving the area, try to shield the AAV's in rock outcroppings, hillside areas, etc. Ensure the front of the vehicles point toward the expected blast.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.5 SUPERVISE PREPARATION OF AAV'S FOR CHEMICAL ATTACK

CONDITION(S): Given a unit mission, a warning of imminent chemical attack, a tactical situation, and an AAV unit with crews.

STANDARD: Supervise crew preparations of AAV's for a chemical attack so that they are afforded the highest degree of readiness, making best use of available vehicle NBC systems and any field expedient measures possible.

PERFORMANCE STEPS:

1. Identify backup command and control procedures.

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2. Alert any other units in area.
3. Remove any food, water, ammunition, etc. stored outside the vehicles and place inside vehicles or other hardened area.
4. Direct all crews to use the NBC system on their vehicles and to secure all loose gear.
5. Ensure all hatches and outside accesses are closed, dogged, and sealed as best as possible.
6. If situation permits, leave the area of contamination as quickly as possible. Otherwise, continue mission.
7. If situation will not permit leaving the area, try to shield the AAV's in rock outcroppings, hillside areas, etc. Ensure the front of the vehicles point toward the expected contamination.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.6 MAINTAIN THE FIELD PROTECTIVE MASK

CONDITION(S): Given an M25A1 or M42 protective mask, PM eraser, stiff bristle brush, a soft clean rag and alcohol.

STANDARD: Maintain the M25A1 or M42 protective mask so that the mask and storage bag are clean, a function check is performed and any discrepancies are reported to organizational maintenance.

PERFORMANCE STEPS:

1. Using a stiff bristle brush, remove any dirt or mud from storage bag.
2. Inspect straps and strap connectors for wear or broken parts.
3. Inspect mask hose for holes or worn spots.
4. Clean audio connector with PM eraser.
5. Inspect faceplate for cracks, scratches and damage.
6. Wipe mask with clean rag, ensure there is no dirt or sand in mask.
7. Clean rubber portion of mask with mild solution of soapy water.
8. Clean faceplate with soft wiping cloth or lens tissue and alcohol.
9. Conduct function check.
10. Report any discrepancies to organizational maintenance.

REFERENCE(S):

1. TM 3-4240-280-10, OPERATOR'S MANUAL, M25A1 PROTECTIVE MASK
2. TM 3-4240-300-10-1, OPERATOR'S MANUAL, M42 PROTECTIVE MASK

ADMINISTRATIVE INSTRUCTIONS: This task is reference dependant. Reference 1 applies to the M25A1 Protective Mask and reference 2 applies to the M42 Protective Mask. Performance in the appropriate reference should be closely followed.

TASK: 1803.7.7 CONDUCT HASTY DECONTAMINATION

CONDITION(S): Given organic equipment, supplies, and decontaminants to support hasty decontamination, and FMFM 11-10 (FM 3-5).

STANDARD: Conduct hasty decontamination so that an appropriate decontamination site is prepared, controlled and secured by the contaminated unit, operated so that decontamination is performed, and it is marked, as per the references.

PERFORMANCE STEPS:

1. Prepare hasty decontamination site.
2. Operate hasty decontamination site.
3. Remove gross liquid chemical or nuclear contamination from individual protective overgarments, combat gear, and weapons with sticks or other improvised devices.
4. Remove contamination on individual protective gloves, hood, overboots, combat gear, and weapon within 15 minutes.
5. Wash decontaminated weapons with water, dry and lubricate.
6. Remove and decontaminate or dispose of contaminated protective covers covering essential equipment such as ammunition and POL.
7. Decontaminate vehicles and/or crew served weapons.
8. Reduce MOPP if decontamination efforts are adequate as determined by chemical-agent detector kits.
9. Close and mark hasty decontamination site.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.8 DECONTAMINATE EQUIPMENT USING M13 DECONTAMINATING APPARATUS, PORTABLE

CONDITION(S): Given an area of chemical contamination on a vehicle or on equipment that must be decontaminated, M13 decontaminating apparatus, portable (DAP) with DS2, in MOPP 4.

STANDARD: Decontaminate equipment using M13 decontaminating apparatus, portable (DAP), by spraying it with DS2 from M13 DAP, and then scrubbing it, without injury to personnel or damage to equipment, as per the references.

PERFORMANCE STEPS:

1. Start at highest point on the equipment and work down, holding brush about 3 feet from contaminated area.
2. Open pump valve by turning it to "in line" position.
3. Pump one stroke while spraying DS2 across a 4-foot to 5-foot area; then close pump valve.
4. Use brush to scrub DS2 over contaminated surfaces.

5. Repeat steps 1 through 4 until surfaces being decontaminated are wet.
6. Whenever possible, rinse with water or wipe off with rags those items that have been sprayed or scrubbed with DS2 after a contact time of 30 minutes.

REFERENCE(S):

1. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION
2. TM 3-4230-214-12&P, OPERATOR'S AND UNIT MAINTENANCE MANUAL, (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST), DECONTAMINATING APPARATUS, PORTABLE, 14 LITER, M13

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.9 DECONTAMINATE EQUIPMENT USING ABC-M11 DECONTAMINATING APPARATUS

CONDITION(S): Given an area of chemical contamination on a vehicle or on equipment that must be decontaminated, in MOPP 4, an empty ABC-M11 decontaminating apparatus, two spare nitrogen cylinders, and a 1-1/3 quart can of DS2.

STANDARD: Decontaminate the equipment using an ABC-M11 decontaminating apparatus by spraying DS2 from ABC-M11, without injury to personnel or damage to equipment, as per the reference.

PERFORMANCE STEPS:

1. Fill the ABC-M11 decontaminating apparatus.
2. Pressurize the ABC-M11 decontaminating apparatus.
3. Decontaminate equipment.

REFERENCE(S):

1. TM 3-4230-204-12&P, OPERATOR'S AND UNIT MAINTENANCE MANUAL, (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST), DECONTAMINATING APPARATUS, PORTABLE, DS2, 1-1/2 QUART, ABC-M11

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.7.10 USE AN/PDR-27 SERIES RADIAC SET

CONDITION(S): Given a complete AN/PDR-27 series radiac set, the appropriate TM for the AN/PDR-27 model, and personnel, equipment, and/or supplies suspected to be radiologically contaminated.

STANDARD: Use the AN/PDR-27 series radiac set by identifying the type of radiation present and determining the dose-rate reading for gamma radiation, as per the references.

PERFORMANCE STEPS:

1. Prepare the radiac set for use.
2. Monitor personnel, equipment, and supplies.
3. Hold the probe within 1 inch of the object being monitored; do not touch the probe to the object.
4. Determine if radiological contamination is present.
5. Identify the type of radiation, if present.
6. Determine the dose-rate reading for gamma radiation, if present.

REFERENCE(S):

1. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION
2. TM 11-6665-209-10, OPERATOR'S MANUAL, RADIAC SETS, AN/PDR-27J, AN/PDR-27L, AND AN/PDR-27Q

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 8 - OPERATIONS

TASK: 1803.8.1 BRIEF CREW

CONDITION(S): Given an operation order and personnel to brief.

STANDARD: Brief crew so that all Marines understand their mission, the general scheme of maneuver, and their roles.

PERFORMANCE STEPS:

1. Review the operations order.
2. Give brief to crew and embarked troop leader.
3. Review emergency procedures of each crewmember if AAV is disabled.
4. Review emergency procedures of each crewmember if AAV is sinking.
5. Brief crew responsibilities for mechanized operations ashore in support of infantry.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 3-1, COMMANDS AND STAFF ACTION
3. FM 21-60, VISUAL SIGNALS
4. FM 21-26, MAP READING AND LAND NAVIGATION
5. FM 101-5-1, OPERATIONAL TERMS AND SYMBOLS
6. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)
7. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.8.2 OPERATE AAVP7A1 SYSTEM COMPONENTS

CONDITION(S): Given an AAVP7A1 with crew and TM 09674A-10/3.

STANDARD: Operate the AAVP7AI system components in accordance with the reference.

PERFORMANCE STEPS:

1. Start engine.
2. Operate audio warning system.
3. Operate smoke generation system.

4. Operate personnel heater.
5. Operate manual fire suppression system.
6. Arm the Automatic Fire Sensing and Suppression System (AFSSS).
7. Operate portable fir. extinguisher.
8. Operate vehicle lights.
9. Operate ventilation system.
10. Install and remove center troop seats.
11. Operate hatches.
12. Operate intake and exhaust grills.
13. Operate ramp.
14. Install and remove blackout covers.
15. Operate searchlight.
16. Operate bowplane.
17. Operate water drive system.
18. Operate magnetic heading system.
19. Operate extension light (drop light).
20. Stop engine.

REFERENCE(S):

1. TM 09674A-10/3

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.8.3 OPERATE NIGHT VISION GOGGLES

CONDITION(S): Given night vision goggles complete with batteries, and an outside environment free of lights.

STANDARD: Operate the night vision goggles so that normal procedures can be conducted as per the appropriate TM.

PERFORMANCE STEPS:

1. Conduct pre-operational checks.
2. Prepare goggles for operation.
3. Operate the goggles.
4. Shutdown and stow the goggles.

REFERENCE(S):

1. TM 11-5855-238-10, OPERATOR'S MANUAL, AN/PVS-5

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.8.4 COMMUNICATE USING AAVP7A1 COMMUNICATION EQUIPMENT

CONDITION(S): Given an AAVP7A1 with operational communications equipment, crew, frequencies, call signs, a commsec fill, and the appropriate references.

STANDARD: Communicate using the communications equipment aboard the AAVP7A1.

PERFORMANCE STEPS:

1. Prepare the communications system for operation.
2. Operate the DH-132 CVC helmet.
3. Operate the audio frequency amplifier AM-7162/VIC-2(V).
4. Operate the radio receiver R442/VRC.
5. Operate the radio receiver/transmitter RT-246/VRC
6. Operate the radio receiver/transmitter RT-524/VRC.
7. Operate the frequency selector control C-2742/VRC.
8. Operate SINCGARS in single channel.
9. Operate the intercom C-11133/VIC-2(V)
10. Operate the intercom C-11135/VIC-2(V).
11. Operate the TSEC/KY-57 communications security equipment.
12. Prepare inter-AAV wire communications (Hot-Loop).
13. Operate the position location reporting system (PLARS) radio set AN/VSQ-1.
14. Secure communications equipment from operation.

REFERENCE(S):

1. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO, ICOM
2. TM 09674A-10/3, OPERATOR'S MANUAL AAVP7A1

ADMINISTRATIVE INSTRUCTIONS:

1. This task is reference dependent and requires the use of the technical manual for successful task performance. Performance in the appropriate reference should be followed closely.

TASK: 1803.8.5 COMMUNICATE USING THE AAVC7A1 COMMUNICATIONS SYSTEM

CONDITION(S): Given a mission, a unit to support (with the radios they provide for installation in the AAVC7A1), and a fully operational and crewed AAVC7A1.

STANDARD: Communicate using the AAVC7A1 communications system so that its full capability is utilized, and the supported unit commander is assisted in completing his mission.

PERFORMANCE STEPS:

1. Operate and trouble shoot MSQ 115 system.
2. Transmit on designated command and control circuits when directed by the supported unit commander.
3. Use voice encryption capabilities when directed.

4. Transmit/receive on the two VHF-FM vehicle radios.
5. Operate the intercom systems (crew, staff, and radio operator's intercom).
6. Operate static telephone lines when in a static situation.
7. Assist embarked staff on MSQ 115 system operations.
8. Operate SINCGARS radio set.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. UNIT SOP
3. TM 115820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET ICOM

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.8.6 SUPERVISE PERSONNEL HANDLING AMMUNITION

CONDITION(S): Given an AAV unit, unopened containers of main gun and/or small arms ammunition, smoke grenades, unit SOP, loading plan, and TM 09674A-10/3.

STANDARD: Supervise personnel handling ammunition so that only the amount and types of ammunition needed are opened, all safety procedures are followed, and ammunition is loaded as per the references.

PERFORMANCE STEPS:

1. Instruct personnel on what types of ammunition and how many rounds of each will be required.
2. Supervise the handling of main gun ammunition.
3. Supervise personnel handling small arms ammunition.
4. Supervise personnel handling smoke grenades.

REFERENCE(S):

1. FM 9-13, AMMUNITION HANDBOOK
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 9 - GUNNERY

TASK: 1803.9.1 MAINTAIN THE M60D 7.62MM MACHINEGUN

CONDITION(S): Given an M60D 7.62mm machinegun with equipment record jacket, cleaning rod, bore brush, chamber and receiver brushes, clean cotton rags and swabs, CLP, TM 9-1005-224-10 and TM 9-1005-262-15.

STANDARD: Maintain the M60D 7.62mm machinegun so that the machinegun is cleaned and lubricated and all operator preventive maintenance is performed as per the references.

PERFORMANCE STEPS:

1. Clear the machinegun.
2. Disassemble the machinegun.
3. Inspect, clean, and lubricate the components.
4. Record worn or defective parts in equipment record jacket. Tag defective parts and inform armorer.
5. Assemble the machinegun.
6. Conduct a function check.

REFERENCE(S):

1. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
2. TM 9-1005-262-15, MAINTENANCE MANUAL, 7.62MM M60D MACHINEGUN
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.2 INSTALL M60D 7.62MM MACHINEGUN ON AN AAVC7A1

CONDITION(S): Given a equipped AAVC7A1, a cleared M60D 7.62mm machinegun to be installed and/or removed, pintle mount, and machinegun mount.

STANDARD: Install the machinegun on the AAVC7A1, and perform a safety/function check, so that it is functional and can be safely used, as per TM 07268B-10/1A and TM 9-1005-224-10.

PERFORMANCE STEPS:

1. Place pintle mount on machinegun.
2. Secure mount to machinegun with quick-release pin.
3. Unlock lock and remove cover from vehicle pintle.
4. Place machinegun mount on pintle. Secure with lock.
5. Install machinegun on machinegun mount. Secure with lock.

REFERENCE(S):

1. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
2. TM 07268B-10/1A, OPERATOR'S MANUAL, AAVC7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.3 REMOVE M60D 7.62MM MACHINEGUN FROM AN AAVC7A1

CONDITION(S): Given a equipped AAVC7A1, a cleared M60D 7.62mm machinegun to be removed, pintle mount, and machinegun mount.

STANDARD: Remove the machinegun from the AAVC7A1, as per TM 07268B-10/1A and TM 9-1005-224-10.

PERFORMANCE STEPS:

1. Ensure machinegun is clear.
2. Remove machinegun.

REFERENCE(S):

1. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
2. TM 07268B-10/1A, OPERATOR'S MANUAL, AAVC7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.4 LOAD CALIBER .50 M2 HB MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with caliber .50 M1 HB machinegun, vehicle master switch and turret power switch in "on", belted M15A2 linked caliber .50 ammunition (live or dummy).

STANDARD: Load the caliber .50 M2 HB machinegun on AAV, as per TM 10004A-10/1 and TM 9-1005-213-10. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Load ammunition into the UGWS.
2. Load ammunition into the M2 HB machinegun.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.5 UNLOAD CALIBER .50 M2 HB MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with a caliber .50 M1 HB machinegun loaded with belted M15A2 linked caliber .50 ammunition (live or dummy), and vehicle master switch and turret power switch in the "on" position.

STANDARD: Unload the caliber .50 M2 HB machinegun on AAV, as per TM 10004A-10/1 and TM 9-1005-213-10. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Unload ammunition from the M2 HB machinegun.
2. Unload ammunition from the UGWS.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.6 LOAD MK19 MOD3 MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with MK19 MOD3 machinegun, vehicle MASTER POWER and TURRET POWER set to ON, and belted ammunition.

STANDARD: Load the MK19 MOD3 machinegun on AAV, as per TM 10004A-10/1. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Load ammunition into the UGWS.
2. Load ammunition into the Mk19 MOD3 machinegun.

REFERENCE(S):

1. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.7 UNLOAD MK19 MOD3 MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with MK19 MOD3 machinegun loaded with belted ammunition, and vehicle MASTER POWER and TURRET POWER set to ON.

STANDARD: Unload the MK19 MOD3 machinegun on AAV, as per TM 10004A-10/1. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Unload ammunition from the MK19 MOD3 machinegun.
2. Unload ammunition from the UGWS.

REFERENCE(S):

1. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40mm MACHINEGUN
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.8 APPLY FAILURE TO FIRE PROCEDURES FOR CALIBER .50 M2 HB MACHINEGUN

CONDITION(S): Given an AAVP7A1 and upgunned weapons station with caliber .50 M2 HB machinegun, which has failed to fire.

STANDARD: Apply failure to fire procedures for the caliber .50 M2 HB machinegun, as per TM 10004A-10/1 and TM 9-100-213-10; ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Shut off turret power before attempting any inspection of the machinegun.
2. Determine whether there is a stoppage or a malfunction.
3. Charge the weapon and attempt to fire.
4. If the weapon fires continue the mission.
5. If the weapon does not fire inspect it following the required safety precautions.

REFERENCE(S):

1. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.9 APPLY FAILURE TO FIRE PROCEDURES FOR MK19 MOD3 MACHINEGUN

CONDITION(S): Given an AAVP7A1 and upgunned weapons station with MK19 MOD3 machinegun, which has failed to fire.

STANDARD: Apply failure to fire procedures for the MK19 MOD3 machinegun, as per TM 10004A-10/1 and TM 08521A-10/1; ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Shut off turret power before attempting any inspection the machinegun.
2. Determine whether there is a stoppage or a malfunction.
3. Charge the weapon, place the selector switch on safe, then lift the feed cover and inspect the weapon, clearing it as necessary.
4. Close the feed cover and attempt to fire the weapon.
5. If the weapon fires continue the mission.
6. If the weapon does not fire, re-inspect it following the required safety precautions.

REFERENCE(S):

1. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.10 OPERATE UPGUNNED WEAPONS STATION (UGWS)

CONDITION(S): Given an AAV with an UGWS, applicable equipment, and the references.

STANDARD: Operate the UGWS properly in accordance with the references.

PERFORMANCE STEPS:

1. Perform pre-operation checks of the UGWS.
2. Operate electrical components and switches.
3. Operate manual components.
4. Perform during operation checks of the UGWS.
5. Perform after operation checks of the UGWS.
6. Report defects of the UGWS to organizational maintenance.

REFERENCE(S):

1. TM 10004A-10/1A
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1803.9.11 ENGAGE TARGETS WITH THE AAVP7A1 WEAPONS STATION

CONDITION(S): Given a crewed AAVP7A1 with zeroed weapons station, a firing range, targets, ammunition for the weapons station utilized, and MOS and unit assignment of the individual concerned.

STANDARD: Engage targets with the AAVP7A1 weapons station so that the targets are suppressed or destroyed with minimum exposure to enemy observation or fire.

PERFORMANCE STEPS:

1. Identify target.
2. Place aiming point or proper range line on center mass of target.
3. Announce "ON THE WAY" and fire.
4. Employ re-engage method as needed.
5. Employ gunner's standard adjustment as needed.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL
3. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN

ADMINISTRATIVE INSTRUCTIONS:

1. All MOS 1803 and 1833 personnel assigned to an AAV unit are required to perform tasks 1 through 15 and Table I from Enclosure (5), Appendix (E), of this Order, annually. Each person performing all of the tasks will require the types and quantities of ammunition in Enclosure (5), Appendix (C), of this Order. Tables II through VI from enclosure (5), Appendix (E), of this Order are to be fired by each crew annually.
2. All other personnel assigned to an AAV unit are required to perform weapon station tasks 1-15 for annual familiarization. Each person performing only tasks 1-15 for familiarization will require the types and quantities of ammunition listed in Enclosure (5), Appendix (E), of this Order.
3. See Enclosure (5), Appendix (C), of this Order for the detailed Class V requirement breakdown.

TASK: 1803.9.12 DIRECT AAV PLATOON FIRES

CONDITION(S): Given a platoon of AAV's with crews, targets, fire and maneuver area, ammunition, and a platoon fire plan.

STANDARD: Direct AAV platoon fires so that timely and accurate fires are delivered on the targets, as per the references.

PERFORMANCE STEPS:

1. Assess the situation.
2. Determine fire pattern.
3. Select technique of fire.
4. Issue clear and concise fire command.
5. Terminate engagement.

REFERENCE(S):

1. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

MOS 1833, ASSAULT AMPHIBIAN VEHICLE CREWMAN

DUTY AREA 1 - MAINTENANCE

TASK: 1833.1.1 MAINTAIN ORDNANCE VEHICLE LOGBOOK

CONDITION(S): Given a ordnance vehicle logbook, vehicle usage and maintenance data, and TM 4700-15/1.

STANDARD: Maintain ordnance vehicle logbook records by making proper entries as per TM 4700-15/1 and ensuring they are kept current.

PERFORMANCE STEPS:

1. Inspect logbook for completeness.
2. Enter vehicle usage and maintenance data onto daily record.
3. Enter vehicle usage and maintenance data onto monthly record.
4. Ensure maintenance information is transferred from the preventive maintenance record to the daily and monthly records.

REFERENCE(S):

1. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.2 MAINTAIN AAVP7A1

CONDITION(S): Given an AAVP7A1, appropriate tools/equipment, and TM 09674A-10/3.

STANDARD: Maintain the AAVP7A1 in accordance with Th 09674A-10/3.

PERFORMANCE STEPS:

1. Review TM 09674A-10/3.
2. Review troubleshooting procedures.
3. Wash vehicle.
4. Lubricate components.
5. Maintain suspension.
6. Maintain cooling system.
7. Maintain fuel system
8. Maintain batteries.
9. Maintain electrical system.
10. Maintain SL-3/On vehicle equipment (OVE).
11. Maintain air cleaner.

12. Maintain driver's and commander's hatch lock-back adjustment.
13. Review tabulated data for AAVP7A1.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.3 MAINTAIN AAVP7A1 COMMUNICATIONS EQUIPMENT

CONDITION(S): Given an AAVP7A1 and the reference.

STANDARD: Maintain the communication, equipment of an AAVP7A1 in accordance with the references.

PERFORMANCE STEPS:

1. Maintain the CVC helmet.
2. Maintain the audio frequency amplifier AM-7162/VIC-2(V).
3. Maintain the audio receiver R442/VRC.
4. Maintain the radio receiver/transmitter RT-246/VRC.
5. Maintain the radio receiver/transmitter RT-524/VRC.
6. Maintain the frequency selector control C-2742/VRC.
7. Maintain the intercom C-11133/VIC-2(V).
8. Maintain the intercom C-11135/VIC-2(V).
9. Maintain the TSEC/KY-57 communications security equipment.
10. Maintain the antennas.
11. Maintain the antenna mounts.
12. Maintain the position location reporting system (PLRS) radio set AN/VSQ-1.
13. Maintain SINCGARS radio set.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. TM 11-5820-401-10-2, OPERATOR'S MANUAL, RADIO SET AN/VRC-12
3. TM 11-5810-256-OP-4, OPERATING PROCEDURES FOR COMSECEQ TSEC/KY-57 IN TRACKED VEHICLES
4. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO ICOM

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.4 ORDER OPERATIONAL CHECKS OF MATERIEL

CONDITION(S): Given a unit mission, one or more fully operational and crewed AAV's, and time.

STANDARD: Order operational checks of materiel as required to maintain operability of equipment as time becomes available during operations. Coordinate with unit commander in time management. Monitor time available to crews in achieving mission, and reconcile with duties required for maintenance and upkeep of the equipment.

PERFORMANCE STEPS:

1. Monitor time available in accomplishing mission.
2. Determine time availability with commander, and coordinate on security items.
3. Supervise and coordinate on security.
4. Direct other AAV crews to conduct vehicle checks.
5. Direct security element to conduct checks when other vehicles are done, and have other crews take up security watch.

REFERENCE(S):

1. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.5 MAINTAIN AN/PVS-5 NIGHT VISION GOGGLES

CONDITION(S): Given AN/PVS-5 night vision goggles with carrying case, clean lint-free cloths, lens tissue, clean water, and TM 11-5855-238-10.

STANDARD: Maintain AN/PVS-5 night vision goggles by inspecting all components and performing all maintenance as per TM 11-5855-238-10.

PERFORMANCE STEPS:

1. Inspect goggles and carrier.
2. Inspect eyepiece and objective lenses. Ensure eyepiece covers and objective lens covers are present and demisting shields are in carrying case.
3. Inspect exterior surfaces.
4. Wipe exterior surfaces with a clean, dry, lint-free cloth. If necessary, dampen cloth with clean water to remove dirt and grease.
5. Inspect eye relief adjustment (clamp knobs) to ensure binocular assembly moves freely.
6. Inspect interpupillary adjustment (lever clamp). Ensure that minoculars can be freely moved farther apart or closer together.
7. Inspect diopter adjustment. Rotate diopter adjust rings; ensure that they move freely.
8. Focus adjustment. Rotate focus to ensure that they can rotate freely.
9. Inspect rotary switch. Inspect mechanical action of the switch.
10. Clean carrying case.

REFERENCE(S):

1. TM 11-5855-238-10, OPERATOR'S MANUAL, AN/PVS-5

ADMINISTRATIVE INSTRUCTIONS:

1. This task is reference dependent and requires the use of the technical manual for successful task performance. Performance in the appropriate reference should be followed closely.

TASK: 1833.1.6 CONDUCT PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON AAV

CONDITION(S): Given a stationary AAV with crew, basic issue components, clean rags and TM 09674A-10/3.

STANDARD: Conduct preventive maintenance checks and services on the AAV according to TM 09674A-10/3.

PERFORMANCE STEPS:

1. Conduct general FMCS.
2. Conduct exterior FMCS.
3. Conduct engine compartment FMCS.
4. Conduct driver and troop commander stations FMCS.
5. Conduct troop compartment FMCS.
6. Conduct checks while engine is running.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.7 MAINTAIN NIGHT VISION VIEWER

CONDITION(S): Given an AN/VVS-2 night vision viewer mounted in an AAV, alcohol, lens cleaning solution, lens tissue, IM 11-5855-249-10, and TM

STANDARD: Maintain the AN/VVS-2 night vision viewer ensuring all grease and dirt has been removed from the optical surface, the lenses are dry, and any damage to the night vision viewer has been reported to organizational maintenance.

PERFORMANCE STEPS:

1. Flush surfaces of lenses with alcohol.
2. Soak lens tissue using cleaning solution.
3. Apply solution to lenses dabbing lightly until surface is evenly covered.
4. Wait 1 to 3 minutes for solution to loosen heavy dirt (do not allow solution to dry). Flush solution away with alcohol.
5. Repeat solution application as needed to clean dirty optics.
6. Clean lenses in small section by applying cleaning solution and gently wiping with clean tissue.
7. Rinse lenses with alcohol. Dry lenses by wiping lightly in a single direction with clean lens tissue.
8. Report any damage to organizational maintenance.

REFERENCE(S):

1. IM 11-5855-249-10, OPERATOR'S MANUAL, AN/VVS-2 NIGHT VISION VIEWER

ADMINISTRATIVE INSTRUCTIONS:

1. This task is reference dependent and requires the use of the technical manual for successful task performance. Performance in the appropriate reference should be followed closely.
-

TASK: 1833.1.8 MAINTAIN THE FIELD PROTECTIVE MASK

CONDITION(S): Given an M25A1 or M42 protective mask, PM eraser, stiff bristle brush, a soft clean rag and alcohol.

STANDARD: Maintain the M25A1 or M42 protective mask so that the mask and storage bag are clean, a function check is performed and any discrepancies are reported to organizational maintenance.

PERFORMANCE STEPS:

1. Using a stiff bristle brush, remove any dirt or mud from storage bag.
2. Inspect straps and strap connectors for wear or broken parts.
3. Inspect mask hose for holes or worn spots.
4. Clean audio connector with PM eraser.
5. Inspect faceplate for cracks, scratches and damage.
6. Wipe mask with clean rag, ensure there is no dirt or sand in mask.
7. Clean rubber portion of mask with mild solution of soapy water.
8. Clean faceplate with soft wiping cloth or lens tissue and alcohol.
9. Conduct function check.
10. Report any discrepancies to organizational maintenance.

REFERENCE(S):

1. TM 3-4240-280-10, OPERATOR'S MANUAL, M25A1 PROTECTIVE MASK
2. TM 3-4240-300-10-1, OPERATOR'S MANUAL, M42 PROTECTIVE MASK

ADMINISTRATIVE INSTRUCTIONS: This task is reference dependant. Reference 1 applies to the M25A1 Protective Mask and reference 2 applies to the M42 Protective Mask. Performance in the appropriate reference should be closely followed.

TASK: 1833.1.9 SUPERVISE PREVENTIVE MAINTENANCE CHECKS AND SERVICES OF AAV UNIT

CONDITION(S): Given an AAV unit/team, vehicle technical manuals and access to maintenance documentation.

STANDARD: Supervise preventive and maintenance checks and services so that they are performed on vehicles in AAV unit/team ensuring discrepancies are noted and corrective measures are taken.

PERFORMANCE STEPS:

1. Ensure that vehicle commanders assign crewmen areas of responsibility for PM.
2. Ensure preoperation, during-operation, at halt, and after-operation checks are conducted.

3. Ensure that proper start-up and cool-down procedures are performed as scheduled.
4. Ensure that maintenance documentation is maintained and updated.

REFERENCE(S):

1. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
2. TM 09674A-1D/3, OPERATOR'S MANUAL, AAVP7A1
3. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
4. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.10 TROUBLESHOOT AN/VVS-2 NIGHT VISION VIEWER

CONDITION(S): Given an AN/VVS-2 night vision viewer mounted in an AAV, a PM eraser, a PM brush, a battery, a malfunction, TM 11-5855-249-10 and TM 09674A-10/3.

STANDARD: Troubleshoot the AN/VVS-2 night vision viewer so that all malfunctions are identified as per the references.

PERFORMANCE STEPS:

1. Diagnose symptom or malfunction.
2. Conduct test or inspection.
3. Take corrective action or notify organizational maintenance as appropriate.

REFERENCE(S):

1. TM 11-5855-249-10, OPERATOR'S MANUAL, AN/VVS-2 NIGHT VISION VIEWER

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.11 TROUBLESHOOT CBR SYSTEM ON AAV

CONDITION(S): Given an AAV with CBR system malfunction, crew, and TM 09674A-10/3

STANDARD: Troubleshoot the CBR system on the AAV by isolating and identifying any malfunctions. Any crew-level malfunctions will be corrected if authorized. All malfunctions that cannot be corrected by the crew will be reported to organizational maintenance.

PERFORMANCE STEPS:

1. Determine the symptom or malfunction.
2. Locate symptom or malfunction in TM 09674A-10/3.
3. Conduct troubleshooting procedures.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. TM 3-4240-236-12, OPERATOR'S MANUAL, VEHICLE PARTICULATE FILTER UNIT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.12 CONDUCT VEHICLE INSPECTION OF AAV UNIT

CONDITION(S): Given an AAV unit to inspect, ordnance vehicle logbook, and appropriate publications.

STANDARD: Conduct vehicle inspection of AAV unit to ensure serviceability, accountability and operational readiness as per the references.

PERFORMANCE STEPS:

1. Inspect 1st echelon preventive maintenance.
2. Inspect SL-3/OVE components.
3. Inspect AAV weapons.

REFERENCE(S):

1. Th 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.13 INITIATE A WORK REQUEST (ERO)

CONDITION(S): Given NAVMC 10245, ERO (Equipment Repair Order), an AAV requiring maintenance action, UM 4790-5, and TM 4700-15/1.

STANDARD: Initiate a work request (ERO) as per the references.

PERFORMANCE STEPS:

1. Identify material discrepancy.
2. Complete NAVMC form.
3. Turn in ERO to maintenance activity. Receive yellow copy as receipt.

REFERENCE(S):

1. MCO 4400.16, UNIFORM MATERIEL MOVEMENT AND ISSUE PRIORITY SYSTEM (UMMIPS)
2. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
3. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
4. UM 4790-5, MARINE CORPS USER'S MANUAL MIMMS (AIS) FMSS
5. NAVMC 10245, ERO (EQUIPMENT REPAIR ORDER)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.14 PREPARE AN ERO SHOPPING LIST (EROSL)

CONDITION(S): Given NAVMC 10925, EROSL (ERO Shopping/Transaction List), UM 4790-5, TM 4700-15/1, an active ERO, and a requirement for basic issue components.

STANDARD: Prepare an EROSL as per the references.

PERFORMANCE STEPS:

1. Identify needed items.
2. Complete NAVMC 10925.
3. Submit completed NAVMC 10925 form.

REFERENCE(S):

1. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
2. UM 4790-5, MARINE CORPS USER'S MANUAL MIMMS (AIS) FMSS
3. NAVMC 10925, EROSL (ERO SHOPPING/TRANSACTION LIST)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.15 INSPECT AAV COMPONENTS

CONDITION(S): Given an AAV basic issue components display, AAV (FOV) components inventory, TM 09647A-1D/3, TM 4700-15/1, UM 4790-5, NAVMC 10245 and NAVMC 10925.

STANDARD: Inspect AAV components ensuring all components are clean, serviceable, and present or requisitioned as per the references.

PERFORMANCE STEPS:

1. Inventory components using AAV (FOV) components inventory.
2. Inspect components and SL-3 for cleanliness and serviceability.
3. Inspect open EROs/EROSLs requisitioning missing components.

REFERENCE(S):

1. Th 4700-15/1, EQUIPMENT RECORD PROCEDURES
2. UM 4790-5, MARINE CORPS USER'S MANUAL MIMMS (AIS) FMSS
3. NAVMC 10245, ERO (EQUIPMENT REPAIR ORDER)
4. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
5. SL 307007B/07268B

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.16 MONITOR DAILY PROCESS REPORT (DPR)

CONDITION(S): Given active ERO(s) and EROSL(s), a current daily process report (DPR), UM 4790-5, and the requirement to determine the maintenance status of an AAV unit.

STANDARD: Monitor the daily process report (DPR) so that the unit commander may be briefed accurately on the current status of the unit's maintenance activities, on at least a weekly basis, and ensuring that all entries on the DPR are current and correct, as per the references.

PERFORMANCE STEPS:

1. Obtain DPR.
2. Check to ensure that ERO's shown on the DPR are in the correct job status.
3. Check ERO's in a "short parts" job status with no parts trailers to ensure the EROSL's have been prepared and submitted. If an EROSL has not been submitted, submit one as soon as possible.
4. Check off those parts and transactions on the EROSL which have been submitted to the supply source and appear on the DPR.
5. Compare all ERO's on the DPR in a short parts status with the ERO and EROSL to ensure that:
 - a. ERO job status is correct.
 - b. ERO category and priority are valid.
 - c. An EROSL has been prepared, document numbers assigned, and transactions processed.
 - d. The priorities assigned to document number on an EROSL must logically follow the priority and category assigned to the ERO.
 - e. The priorities assigned must meet the criteria contained in MCO 4400.16.
6. Brief unit commander.

REFERENCE(S):

1. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
2. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES
3. UM 4790-5, MARINE CORPS USER'S MANUAL MIMMS (AIS) FMSS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.17 INSPECT COMPLETED MAINTENANCE WORK

CONDITION(S): Given an AAV on which maintenance has been performed, FMCS records and crewmember who performed work or ERO returned by maintenance activity, and TM 09674A-1D/3.

STANDARD: Inspect completed maintenance work to ensure that all work required has been completed, and discrepancies have been corrected as per the references.

PERFORMANCE STEPS:

1. Inspect FMCS records or ERO. Determine which work has been entered as accomplished.
2. Visually inspect the components or parts that have received maintenance. Look for signs that recorded work has actually been done.
3. Physically check for evidence of recorded work being done.
4. Direct the correction of any discrepancies uncovered by inspection. Have FMCS performed properly if needed, or have AAV returned to maintenance facility for further work.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES

2. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.18 INSPECT TRACKED VEHICLE LOGBOOK

CONDITION(S): Given a tracked vehicle logbook, and TM 4700-15/1.

STANDARD: Inspect tracked vehicle logbook to ensure appropriate entries have been made as per TM 4700-15/1, and that they provide an accurate historical record of the AAV.

PERFORMANCE STEPS:

1. Inventory logbook to ensure its completeness.
2. Verify inspector block has been signed properly on NAVMC 10392, Ordnance Vehicle Military Acceptance Record.
3. Ensure that AAV commander has signed and made appropriate and accurate entries in NAVMC 10393, Ordnance Vehicle Daily Log. If vehicle is listed as inoperative, ensure organizational maintenance has followed-up to correct deficiencies.
4. Ensure entries are correct and current in NAVMC 10394, Ordnance Vehicle Monthly Log. If problems are indicated in remarks section, ensure organizational maintenance has followed-up.
5. Ensure FM service and inspection information is current and recorded in NAVMC 10395, Ordnance Vehicle Preventive Maintenance Record.
6. Ensure operational damage information is current and recorded correctly in NAVMC 10398, Ordnance Vehicle Service Record.
7. Ensure custody entry is current in NAVMC 10399, Ordnance Vehicle Transfer Record.
8. Ensure information matches current modifications in NAVMC 10400, Ordnance Vehicle Modification Record.
9. Ensure NAVMC 10401, Ordnance Vehicle Overhaul and Rebuild Record is completed properly if vehicle has been overhauled.

REFERENCE(S):

1. TM 4700-15/1, EQUIPMENT RECORD PROCEDURES

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.19 DETERMINE LOGISTICS SUPPORT REQUIREMENTS

CONDITION(S): Given an operational commitment, unit commander, and a list of available personnel and equipment.

STANDARD: Determine logistics support requirements, to include estimates of combat service support and personnel, so that the commander will have current and accurate input with which to base decisions.

PERFORMANCE STEPS:

1. Determine whether AAV unit is in general support, direct support, or attached to the supported unit.
2. Determine preventive maintenance support needs.
3. Determine corrective maintenance support needs.
4. Determine messing requirements.

5. Determine POL requirements.
6. Determine ammunition requirements.
7. Determine time requirements for maintenance of vehicles.
8. Determine echelons of repair needed.
9. Determine medical/dental requirements.
10. Determine support required from higher elements.
11. Determine likely means of combat service support that will be available, based on experience and task organization.
12. Determine the number and type of personnel that will be needed to meet maintenance contingencies.
13. Report to the AAV unit commander the logistics support requirement estimates.
14. Determine special circumstances of operations (desert, cold weather, etc.) which may impact maintenance support considerations.
15. Coordinate logistics support with supporting elements.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
3. UNIT OPERATIONS SOP
4. FM 6-11, MECHANIZED OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.1.20 MAINTAIN ENHANCED APPLIQUE' ARMOR KIT

CONDITION(S): Given an AAVP7-A1, an Enhanced Applique' Armor Kit (EEAK), applicable references and a crew.

STANDARD: Maintain the EEAK, including corrosion control, so that it functions as designed.

PERFORMANCE STEPS:

1. Install the EEAK.
2. Maintain the EEAK.
3. Remove the EEAK.
4. Package the EEAK for storage.
5. Store the EEAK.

REFERENCE(S):

1. Th 09675A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 2 - EMBARKATION

TASK: 1833.2.1 ASSIST IN DEVELOPING PLANS TO EMBARK AAV UNIT

CONDITION(S): Given an operation plan, LFM 03, FM 55-30, TM 55-601, and FMFM 4-6.

STANDARD: Assist in developing plans to embark AAV unit upon receipt of the operation plan ensuring that the embarkation plans support the tactical requirements/mission of AAV unit, and that plans are refined and monitored until embarkation is complete, as per the references.

PERFORMANCE STEPS:

1. Coordinate with the MAGTF Ground Combat Element (GCE) embarkation officer or the Team Embarkation Officer (TEO), (as directed by AAV officer).
2. Use any embarkation-trained NCO's in planning.
3. Determine logistical requirements for AAV personnel and associated equipment.
4. Consider respective special requirements for transport by ship, aircraft, rail, or motor transport vehicle.
5. Provide input and make recommendation to the AAV officer on all phases of the previous steps.

REFERENCE(S):

1. MCO P4030.19, PREPARING HAZARDOUS MATERIALS FOR MILITARY AIR SHIPMENT
2. FM 55-30, ARMY MOTOR TRANSPORT UNITS AND OPERATIONS
3. FMFM 4-6, MOVEMENT OF UNITS IN AIR FORCE AIRCRAFT
4. LFM 03, AMPHIBIOUS EMBARKATION
5. TM 55-601, RAILCAR LOADING PROCEDURES
6. TM 55-2200-001-12, APPLICATION OF BLOCKING, BRACING, AND TIEDOWN MATERIALS FOR RAIL TRANSPORT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.2.2 ASSIST IN DIRECTING PREPARATIONS FOR AMPHIBIOUS EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT

CONDITION(S): Given an operation order, unit Table of Equipment (T/E), deadlined equipment information, an AAV unit/team, and LFM 03.

STANDARD: Assist in directing preparations for amphibious embarkation of AAV's and associated combat essential equipment as per the reference.

PERFORMANCE STEPS:

1. Assist in embarkation planning.
2. Assist in coordination of loading plan with Naval Combat Cargo personnel.
3. Assist in preparation of AAV unit/team for embarkation.
4. Coordinate transportation of vehicles to embarkation area.
5. Coordinate security in embarkation area.
6. Coordinate loading of vehicles under direction of Naval Combat Cargo Officer.

REFERENCE(S):

1. LFM 03, AMPHIBIOUS EMBARKATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.2.3 ASSIST IN INSPECTING AAV UNIT EMBARKATION PROCEDURES

CONDITION(S): Given a mission, personnel and equipment to be embarked, and LFM 03.

STANDARD: Assist in inspecting AAV unit embarkation procedures including preparation of personnel, cargo, supplies, vehicles, and equipment for embarkation as per the reference.

PERFORMANCE STEPS:

1. Assist in ensuring that effective team planning is taking place between AAV unit and supported unit.
2. Assist in inspecting unit organization for efficient assignment of personnel responsibilities and duties.
3. Assist in inspecting assignment to teams/elements.
4. Assist in ensuring sufficient information of personnel and equipment to be embarked is being forwarded up the chain of command and to embarkation officer.
5. Assist in inspecting equipment and supplies being crated or boxed to facilitate stowage and handling.
6. Assist in inspecting boxes and crates being properly marked to indicate contents.
7. Assist in ensuring vehicle fuel tanks do not exceed 3/4 capacity, and that other vehicle preparation is performed which will help ensure the success of the mission.

REFERENCE(S):

1. LFM 03, AMPHIBIOUS EMBARKATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.2.4 ASSIST IN SUPERVISING PREPARATION FOR EMBARKATION OF AAV'S ONTO AIRCRAFT

CONDITION(S): Given a crewed AAV prepared for aircraft embarkation, an aircraft with loadmasters, FMFM 4-6, and FM 55-9.

STANDARD: Assist in supervising preparation of the AAV for embarkation onto the aircraft by inspecting the AAV along with the loadmaster, correcting any discrepancies prior to embarking, and ensuring the AAV is boarded and secured to the aircraft, as per the references.

PERFORMANCE STEPS:

1. Supervise the preparation of the AAV for embarkation.
2. Supervise transport of the AAV to the assembly/embarkation area.
3. Supervise final checks and preparations of vehicle for air embarkation.
4. Supervise driver in following loadmaster directions and guidance, and driving the AAV onto the aircraft.
5. Supervise securing the vehicle inside the aircraft following the guidance of the loadmaster.

REFERENCE(S):

1. FM 55-9, UNIT AIR MOVEMENT PLANING
2. FMFM 4-6, MOVEMENT OF UNITS IN AIR FORCE AIRCRAFT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.2.5 CONDUCT LAND EMBARKATION OF AAV'S AND ASSOCIATED COMBAT ESSENTIAL EQUIPMENT

CONDITION(S): Given an AAV with crew, a railcar or truck with loading personnel, and applicable TM's.

STANDARD: Conduct embarkation of AAV and associated combat essential equipment onto railcar or truck, ensuring vehicle is secured as per the references.

PERFORMANCE STEPS:

1. Move AAV to embarkation location.
2. Prepare AAV for land embarkation.
3. Follow guidance of loading personnel in driving onto railcar/truck.
4. Gripe AAV down and check as required.
5. Have rail/truck loading supervisor inspect vehicle position/gripping.

REFERENCE(S):

1. FM 55-30, ARMY MOTOR TRANSPORT UNITS AND OPERATIONS
2. TM 55-601, RAILCAR LOADING PROCEDURES
3. TM 55-2200-001-12, APPLICATION OF BLOCKING, BRACING, AND TIEDOWN MATERIALS FOR RAIL TRANSPORT
4. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.2.6 CONDUCT EMBARKATION OF AAV'S ONTO AIRCRAFT

CONDITION(S): Given an AAV prepared for embarkation, crew, an aircraft with loadmasters, and FMFM 4-6.

STANDARD: Conduct embarkation of the AAV onto aircraft by inspecting the AAV along with the aircraft loadmaster, correcting any discrepancies prior to embarking, ensuring the AAV is driven aboard and secured inside the aircraft, as per the reference.

PERFORMANCE STEPS:

1. Prepare the AAV for embarkation.
2. Transport the AAV to the assembly/embarkation area.
3. Make final checks and preparations of AAV for air embarkation.
4. Following loadmaster direction and guidance, drive the AAV onto the aircraft.
5. Secure the vehicle inside the aircraft following the guidance of the loadmaster.

REFERENCE(S):

1. FMFM 4-6, MOVEMENT OF UNITS IN AIR FORCE AIRCRAFT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 3 - COMMAND AND CONTROL

TASK: 1833.3.1 COMMUNICATE USING VISUAL SIGNALS

CONDITION(S): Given flags and/or flashlights, and another vehicle crew or operator to receive the signals.

STANDARD: Communicate using visual signals so that message is received and understood by intended party, as per FM 21-60.

PERFORMANCE STEPS:

1. Communicate using hand and arm signals to control vehicles.
2. Communicate using a flashlight to control vehicles.
3. Communicate using flags to control vehicles.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. FM 21-60, VISUAL SIGNALS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.3.2 CONTROL RADIO COMMUNICATIONS OF AAV SECTION

CONDITION(S): Given an AAV section, a mission, Communications-Electronic Operating Instructions (CEOI), and TM 11-5820-890-10-1.

STANDARD: Control radio communications of AAV section so that a radio net is opened and all stations enter the net as per the references.

PERFORMANCE STEPS:

1. Load radio with authorized SC frequency, frequency hopping (FH) data, and COMSEC.
2. Perform NCS duties and open the net.
3. During net operations, update FH data using electronic remote fill (ERF) as needed.
4. Conduct late net entry as needed.
5. Enforce standard radio procedures.

REFERENCE(S):

1. FM 10-1, COMMUNICATIONS
2. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO, ICOM

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.3.3 CONTROL AAV SECTION MOVEMENT

CONDITION(S): Given a section of AAV's with crews, with or without attached elements, a mission, an operations SOP, a military map of the area of operation, and a tactical environment.

STANDARD: Control AAV section movement, so that movement is accomplished quickly, with minimum exposure to enemy fire and/or observation.

PERFORMANCE STEPS:

1. Designate lead and trail elements if other units are attached.
2. Assign each AAV a sector.
3. Control the movement of section by setting the direction and speed with your vehicle.
4. Determine formation and technique of movement.
5. Move the section as fast as the factors of METT-TSL will allow.
6. Ensure vehicles maintain dispersion laterally and in depth.
7. Maintain visual contact between adjacent vehicles.
8. Make maximum use of terrain for cover and concealment.
9. Ensure each vehicle moves by separate, covered, and concealed routes if possible.
10. Maintain location of all elements.
11. Ensure subordinate elements use internal methods of maneuver control.
12. Upon enemy contact, send a SPOTREP and develop the situation.
13. Ensure operational reports are included in reports control system.

REFERENCE(S):

1. FM 21-60, VISUAL SIGNALS
2. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
3. FMFM 6-11, AAV OPERATIONS
4. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.3.4 CONTROL UNIT FIRE/MANEUVER

CONDITION(S): Given an section of AAV's with crews, targets, fire and maneuver area, ammunition, and a platoon fire plan.

STANDARD: Control AAV section fires and maneuver so that timely and accurate fires are delivered on the targets and mutual support/cover is provided between vehicles, as per the references.

PERFORMANCE STEPS:

1. Analyze the mission based on METT-TS-L.
2. Coordinate with supporting/supported unit.
3. Use most appropriate method of communication to control unit.

4. Control unit movement.
5. Control actions on contact.
6. Issue unit fire commands.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
3. FMFM 9-2, AMPHIBIOUS VEHICLES
4. FM 21-306, MANUAL FOR THE TRACK COMBAT VEHICLE DRIVER
5. FM 21-60, VISUAL SIGNALS
6. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
7. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.3.5 NAVIGATE FROM AN AAV

CONDITION(S): Given an AAV with crew, an operational area, a military map of the operational area, a known start point and a destination.

STANDARD: Navigate from the AAV, using the map and terrain analysis, from the start point to the destination and directing the AAV along the route.

PERFORMANCE STEPS:

1. Plan the route to move from terrain feature to terrain feature, considering the tactical aspects and ease of movement of the route.
2. Use terrain features as checkpoints as the AAV moves along the route.
3. Follow terrain features.
4. Determine approximate directions of the various segments of the route.
5. Determine total distance and distance between checkpoints.
6. Make written or mental notes to remember terrain features as they are being passed.
7. Use GPS/PLRS.

REFERENCE(S):

1. FM 21-26, MAP READING AND LAND NAVIGATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.3.6 SCAN AREA OF OPERATION

CONDITION(S): Given an AAV with crew and an area of operations.

STANDARD: Scan the area of operations, so that targets or possible target signatures are detected in a timely manner.

PERFORMANCE STEPS:

1. Conduct ground search using rapid-scan method.
2. Conduct ground search using slow (50 meter) scan method.
3. Conduct ground search using detailed search method.
4. Conduct air search using horizontal search and scan.
5. Conduct air search using vertical search and scan.

REFERENCE(S):

1. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.3.7 IDENTIFY COMBAT VEHICLES

CONDITION(S): Given a visual sighting of friendly or enemy combat vehicles (including helicopters) of at least 10 seconds per vehicle, without the aid of references.

STANDARD: Identify combat vehicles (including helicopters) by stating the nomenclature, within a time limit of ten seconds per vehicle, as per the references.

PERFORMANCE STEPS:

1. Determine the type of vehicle (armored, tracked, wheeled, helicopter).
2. Determine identifying characteristics of the vehicle.
3. Determine all possible nomenclature alternatives.
4. Eliminate unlikely alternatives.
5. State the nomenclature of the vehicle.

REFERENCE(S):

1. FM 1-402, AVIATOR'S RECOGNITION MANUAL
2. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME II - TRAINER'S GUIDE
3. GTA 17-2-9, COMBAT VEHICLE IDENTIFICATION
4. GTA 17-2-13, ARMORED VEHICLE RECOGNITION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 4 - AMPHIBIOUS OPERATIONS

TASK: 1833.4.1 CONDUCT AMPHIBIOUS EMBARKATION OF AAV'S

CONDITION(S): Given an AAV with crew, an amphibious ship, applicable equipment, and the references.

STANDARD: Conduct amphibious embarkation of AAV aboard the amphibious ship, as per the references.

PERFORMANCE STEPS:

1. Perform pre-water operational checks.
2. Embark troops aboard AAV.
3. Ensure pre-water operations safety brief is conducted.
4. Prepare AAV for launch into water.
5. Enter water when directed.
6. Employ bow plane.
7. Conduct movement to ship.
8. Maintain position in formation as required.
9. Drive at night, with and without lights, and with and without night vision devices as required.
10. Retract bow plane.
11. Move AAV aboard ship.
12. Park AAV following ground guide signals.
13. Disembark troops.
14. Gripe down vehicle.
15. Perform after operations checks.

REFERENCE(S):

1. LFM 03, AMPHIBIOUS EMBARKATION
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.4.2 CONDUCT AAV TROOP LOADING

CONDITION(S): Given a fully crewed and operational AAV, troops to embark, and a personnel manifest.

STANDARD: Load troops onto AAV.

PERFORMANCE STEPS:

1. Conduct pre-operation checklist/manifest.
2. Review pre-operation checklist for accuracy.
3. Deliver safety brief to embarking personnel.

4. Inspect personnel embarking for proper equipment.
5. Ensure personnel are seated properly.
6. Ensure pre-operation checklist/manifest is delivered to the AAV chain of command.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.4.3 ACCOUNT FOR EMBARKED PERSONNEL

CONDITION(S): Given a fully crewed and operational AAV, troops to embark, and a personnel manifest.

STANDARD: Account for embarked personnel by filling out a personnel manifest for the AAV. The manifest will be left with the ship's First Lieutenant, via the senior AAV representative, prior to debarkation.

PERFORMANCE STEPS:

1. Inspect all personnel embarking.
2. Collect information on each person embarking on the AAV.
3. Deliver personnel manifest/water operations checklist to ship's First Lieutenant via AAV chain of command prior to AAV launch.
4. Prior to re-embarking, account for all personnel that were originally embarked on the AAV.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.4.4 DEBARK AAV FROM SHIP

CONDITION(S): Given a crewed AAV, an amphibious ship, and Naval launch personnel.

STANDARD: Debark AAV from ship and drive AAV in water applying emergency procedures as required, taking position in Wave as prescribed in the Landing Plan.

PERFORMANCE STEPS:

1. Perform pre-water operational checks.
2. Ungripe vehicle if required.
3. Assist in AAV troop loading.
4. Prepare AAV for launch from ship.

5. Enter water when directed by ship's personnel.
6. Employ bow plane.
7. Operate vehicle in water.
8. Maintain vehicle position in formation as required.
9. Drive at night, with and without outside lights, and with and without night vision devices, as required.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. LFM 03, AMPHIBIOUS EMBARKATION
3. JCS PUB 3-02, JOINT DOCTRINE FOR AMPHIBIOUS OPERATIONS
4. FMFM 9-2, AMPHIBIOUS VEHICLES
5. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.4.5 UNLOAD TROOPS AT INLAND POSITION

CONDITION(S): Given an operational AAV embarked with troops and an operational area.

STANDARD: Unload troops at inland position so they may carry out their mission. Debark mounted personnel in accordance with safety precautions and proper equipment operating procedures.

PERFORMANCE STEPS:

1. Brief embarked troop leader on threat situation.
2. Move to designated position.
3. Drop ramp.
4. Unload troops at inland position.

REFERENCE(S):

1. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
2. FMFM 9-2, AMPHIBIOUS VEHICLES
3. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)
4. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
5. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
6. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 5 - TACTICS

TASK: 1833.5.1 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN COMBAT OPERATIONS

CONDITION(S): Given an operational situation, a supported unit commander, an AAV unit, and FMFM 9-1.

STANDARD: Advise supported unit commander on AAV employment in combat operations so that the mobility and firepower offered by the AAV is effectively utilized.

PERFORMANCE STEPS:

1. Advise supported unit commander on the best use of AAV's in movement to contact.
2. Advise supported unit commander on best use of AAV's in reconnaissance in force.
3. Advise supported unit commander on best use of AAV's in coordinated attack.
4. Advise supported unit commander on best use of AAV's in exploitation.
5. Advise supported unit commander on best use of AAV's in pursuit.
6. Advise supported unit commander on best use of AAV's in raids.
7. Advise supported unit commander on best use of AAV's in the defense.

REFERENCE(S):

1. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
2. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.2 ADVISE SUPPORTED UNIT COMMANDER ON AAV EMPLOYMENT IN SPECIAL COMBAT OPERATIONS

CONDITION(S): Given a special combat operational situation and an AAV unit in support of an infantry unit.

STANDARD: Advise supported unit commander on AAV employment in special combat operations so that the most effective use is made of AAV's under the conditions, and that due consideration is given to special planning and support needs as governed by the type of operation.

PERFORMANCE STEPS:

1. Advise supported unit commander on special considerations and planning for AAV employment in night operations.
2. Advise supported unit commander on special considerations and planning for AAV employment in desert operations.
3. Advise supported unit commander on special considerations and planning for AAV employment in jungle operations.
4. Advise supported unit commander on special considerations and planning for AAV employment in mountain operations.
5. Advise supported unit commander on special considerations and planning for AAV employment in cold weather operations.
6. Advise supported unit commander on special considerations and planning for AAV employment in MOUT operations.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. OH 6-1, GROUND COMBAT OPERATIONS
3. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.3 CAMOUFLAGE AN AAV

CONDITION(S): Given an AAV with crew, SL-3 items, natural vegetation, and camouflage nets.

STANDARD: Camouflage the AAV so that detection by ground or air observation is voided.

PERFORMANCE STEPS:

1. Break up the silhouette of the AAV.
2. Reduce glare.
3. Reduce vehicle signatures and noise.
4. Camouflage AAV's using camouflage netting.
5. Brush out or cover tracks of the AAV.
6. Use field expedient camouflage techniques.

REFERENCE(S):

1. FM 5-20, CAMOUFLAGE
2. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
3. TM 5-1080-200-10, OPERATOR'S MANUAL, CAMOUFLAGE SCREEN SYSTEM LIGHTWEIGHT, RADAR SCATTERING AND CAMOUFLAGE SCREEN SUPPORT SYSTEM
4. FM 5-20, CAMOUFLAGE
5. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.4 BREACH AN OBSTACLE

CONDITION(S): Given an AAV section with crews, an obstacle, personnel and equipment.

STANDARD: Conduct the breach and cross the obstacle with minimum injury to personnel and damage to equipment and vehicles.

PERFORMANCE STEPS:

1. When time is not available to conduct a deliberate breach, use explosives, machinegun fire, mortar fire, or any other means of ordnance possible to create a mine-free lane through the minefield to effect a hasty breach.
2. When time is available to conduct a deliberate breach, use mineplows, engineers, and infantry specially trained in clearing minefields, as per the reference and unit SOP.
3. When a wide enough lane is cleared and marked, cross the obstacle at maximum safe speed.

REFERENCE(S):

1. FM 5-34, ENGINEER FIELD DATA
2. FM 5-101, MOBILITY
3. FM 17-15, TANK PLATOON
4. FM 20-32, MINE/COUNTERMINE OPERATIONS

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.5 DEMOLITION TO PREVENT ENEMY USE

CONDITION(S): Given TM 0967AA-10/3, an AAV which must be destroyed to prevent enemy use, orders from the unit commander to destroy the AAV, and methods for destroying the vehicle.

STANDARD: Destroy disabled AAV so that it will not be useful to enemy personnel. Destroy as much as possible of the disabled AAV to prevent enemy salvaging or use of the AAV.

PERFORMANCE STEPS:

1. Destroy materials.
2. Destroy sight/fire control equipment.
3. Destroy/remove weapons.
4. Destroy/remove ammunition.
5. Destroy/remove communications equipment.
6. Destroy vehicle chassis.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS:

1. The order to destroy Marine Corps equipment must be given by the tactical commander at the time. This is a decision that must not be made without careful consideration of the consequences. In most cases, since the AAV is an item unique to the Marine Corps, a vehicle that is not capable of movement, communication, or use of weaponry is of no immediate use to an enemy, and consequently of no immediate danger of causing harm to U. S. personnel.
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TASK: 1833.5.6 IDENTIFY LIKELY ENEMY POSITIONS

CONDITION(S): Given an AAV with crew, a military map of the area of operation, and a tactical scenario.

STANDARD: Identify likely enemy positions by assessing the tactical situation and performing reconnaissance, as per the references.

PERFORMANCE STEPS:

1. Conduct map reconnaissance to determine likely areas of enemy contact.
2. Use movement techniques that minimize AAV vulnerability.
3. Use elements of AAV unit to cover movement of other elements.

4. Identify terrain features which would provide enemy cover or concealment.
5. When enemy positions are suspected, direct reconnaissance by fire.
6. Use supporting elements to suppress or destroy the enemy.

REFERENCE(S):

1. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
2. FMFM 9-1, TANK EMPLOYMENT/COUNTERMECHANIZED OPERATIONS
3. UGWS Manual

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.7 PREPARE AMMUNITION FOR STOWAGE

CONDITION(S): Given machinegun and small arms ammunition in packing containers in an ammunition storage area or on a firing range, FM 9-13, and TM 09674A-10/3.

STANDARD: Prepare ammunition for stowage as per the references.

PERFORMANCE STEPS:

1. Inspect machinegun ammunition.
2. Prepare machinegun ammunition for stowage.
3. Inspect small arms ammunition.
4. Prepare small arms ammunition for stowage.

REFERENCE(S):

1. FM 9-13, AMMUNITION HANDBOOK
2. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK
3. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.8 INSTALL A WIRE COMMUNICATIONS HOT LOOP

CONDITION(S): Given two or more stationary AAV's and communication wire WD-1/TT.

STANDARD: Install a wire communications "hot loop" so that communications between AAV's can be made without emitting radio signals.

PERFORMANCE STEPS:

1. Ensure VEHICLE MASTER POWER switch is set to ON.
2. Turn on AM 7162 frequency amplifier.
3. Place MAIN POWER switch on the amplifier to INT ONLY position.
4. RADIO TRANS switch may be set to any position, depending on the vehicle station with which communication is desired.

5. Route incoming wire through driver's hatch.
6. Split wire and strip insulation from last 1/2 inch.
7. Connect one wire end to each TEL/REMOTE POST on the AM 7162 frequency amplifier.
8. Run connected wire to next AAV to be connected in the same manner.
9. Conduct a communications check external to the AAV to verify that the last loop is operational.

REFERENCE(S):

1. FM 24-20, TACTICAL WIRE AND CABLE TECHNIQUES
2. TM 08636A-14/1, USMC TECHNICAL MANUAL, INTERCOM SET AN/VIC-2(V)
3. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO, ICOM

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.9 PREPARE AAV FIRING POSITIONS

CONDITION(S): Given an AAV with crew, an area of operation, and a tactical environment.

STANDARD: Prepare AAV firing positions so that the AAV is as level as possible and the firing position does not limit the gunner's field of fire, to include primary, alternate, and supplementary firing positions as needed, as per the references.

PERFORMANCE STEPS:

1. Locate a position, instruct the driver to move to that location, and position the AAV for firing.
2. Determine the hull-down, turret-down, and hide positions to be used.
3. Locate alternate and supplementary positions.
4. Improve the positions as time and mission allow.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.10 SUPERVISE PERSONNEL HANDLING AMMUNITION

CONDITION(S): Given an AAV unit, unopened containers of main gun and/or small arms ammunition, smoke grenades, unit SOP, loading plan, and TM 09674A-10/3.

STANDARD: Supervise personnel handling ammunition so that only the amount and types of ammunition needed are opened, all safety procedures are followed, and ammunition is loaded as per the references.

PERFORMANCE STEPS:

1. Instruct personnel on what types of ammunition and how many rounds of each will be required.
2. Supervise the handling of main gun ammunition.

3. Supervise personnel handling small arms ammunition.
4. Supervise personnel handling smoke grenades.

REFERENCE(S):

1. FM 9-13, AMMUNITION HANDBOOK
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.11 SUPERVISE PREPARATION OF BATTLE POSITIONS

CONDITION(S): Given an AAV unit, SL-3 items, and a designated battle position.

STANDARD: Supervise the preparation of battle positions ensuring all actions are completed as per the references.

PERFORMANCE STEPS:

1. Determine the avenues of approach to the position.
2. Establish local security.
3. Position weapons to best cover the approaches.
4. Position AAV's in covered and concealed hull-down and hide positions.
5. Limit movement around vehicle positions.
6. Camouflage positions.
7. Prepare alternate covered positions for all weapons.
8. Reconnoiter supplementary positions and covered or concealed routes to them.
9. Coordinate with adjacent units to provide any necessary mutual support.
10. Establish wire communications.
11. Set up chemical alarms.
12. Consolidate range cards or sector sketches, and forward to platoon commander.
13. Prepare a plan for movement to next battle position.
14. Rehearse movement to next battle position if time and mission allow.
15. Improve battle positions as time and mission allow.

REFERENCE(S):

1. FM 17-15, TANK PLATOON
2. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.12 SUPERVISE RECOVERY OF A DISABLED AAV

CONDITION(S): Given a mired, nosed-in or overturned AAV, a maneuverable tracked vehicle capable of towing the disabled AAV, crews, SL-3 items, vehicle TM, and FM 20-22.

STANDARD: Supervise the recovery of the disabled AAV so that the AAV is returned upright on solid ground, without injury to personnel or damage to vehicles or equipment, as per the references.

PERFORMANCE STEPS:

1. Reconnoiter area.
2. Estimate the situation.
3. Compute an estimated mechanical advantage for the rigging.
4. Compute the tackle resistance and total resistance.
5. Verify solution.
6. Rig AAV for recovery
7. Recheck rigging.
8. Supervise the recovery operation.
9. Supervise the towing of the disabled AAV as needed.

REFERENCE(S):

1. FM 20-22, VEHICLE RECOVERY OPERATIONS
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.5.13 PREPARE AAV RANGE CARD

CONDITION(S): Given an AAV occupying a firing position, paper and pencil, area of operations with various terrain features, sector limits, and preplanned fires and barriers.

STANDARD: Prepare an AAV range card for the AAV containing at a minimum, key terrain features, high-speed avenues of approach, preplanned fires, and range bands, as per the references.

PERFORMANCE STEPS:

1. Ensure the turret power is on and the turret has free traverse within the sector limits.
2. Select a permanent object as near the center of the area of responsibility as possible to use as a reference point.
3. Plot the reference point, possible targets, key terrain features, high-speed avenues of approach, dead space, obstacles, and barriers on the range card.
4. Plot the sector limits with a double line.
5. Determine range to the nearest and farthest targets and to a target near midrange.
6. Plot the range bands depicting the nearest, farthest, and midrange targets on the range card.
7. Plot target reference points (TRP's) and preplanned fires on the sketch range card.
8. Indicate the designation of the firing position.
9. Indicate the vehicle identification.

REFERENCE(S):

1. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK
2. FM 17-12-1-2, TANK GUNNERY TRAINING (ABRAMS), VOLUME II - TRAINER'S GUIDE
3. FM 17-15, TANK PLATOON

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 6 - NUCLEAR, BIOLOGICAL AND CHEMICAL DEFENSE

TASK: 1833.6.1 DIRECT AAV UNIT CROSSING OF NUCLEAR CONTAMINATED AREA

CONDITION(S): Given an AAV unit, requirement from higher headquarters to cross a nuclear contaminated area, NBC 5 report, contamination overlay, and a situation map.

STANDARD: Direct AAV unit crossing of nuclear contaminated area in a manner that will result in the least possible contamination to personnel and equipment.

PERFORMANCE STEPS:

1. Post NBC 5 report and/or contamination overlay to situation map.
2. Determine best route.
3. Provide advance party or reconnaissance team with turnback dose and dose rate information and send them ahead to reconnoiter.
4. Provide additional shielding to vehicles if possible.
5. Provide personnel with as much protection from dust as possible.
6. Guide unit across contaminated area while employing contamination avoidance techniques.
7. Ensure operational exposure guidance is not exceeded.
8. Determine level of personnel and equipment contamination after clearing contaminated area (using available personnel and monitoring equipment).
9. Establish decontamination priorities and conduct decontamination.
10. Record total dose information and report to higher headquarters.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.2 MARK NBC CONTAMINATED AREA

CONDITION(S): Given an area where NBC weapons have been used, appropriate MOPP level, NBC markers, grease pencil, information necessary to fill out a marker for each type of contamination, the means to hold the markers in place, and a designated location for the sign.

STANDARD: Mark the NBC contaminated area so that the appropriate marker is selected based on the information given, the required information is recorded on the marker, and the marker is emplaced, as per the references.

PERFORMANCE STEPS:

1. Select marker.
2. Record required information on the marker.
3. Emplace the marker.

REFERENCE(S):

1. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
2. TM 3-9905-001-10, OPERATOR'S MANUAL, MARKING SET, CONTAMINATION: NUCLEAR, BIOLOGICAL, CHEMICAL (NBC)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.3 CONDUCT HASTY DECONTAMINATION

CONDITION(S): Given organic equipment, supplies, and decontaminants to support hasty decontamination, and FMFM 11-10 (FM 3-5).

STANDARD: Conduct hasty decontamination so that an appropriate decontamination site is prepared, controlled and secured by the contaminated unit, operated so that decontamination is performed, and it is marked, as per the references.

PERFORMANCE STEPS:

1. Prepare hasty decontamination site.
2. Operate hasty decontamination site.
3. Remove gross liquid chemical or nuclear contamination from individual protective overgarments, combat gear, and weapons with sticks or other improvised devices.
4. Remove contamination on individual protective gloves, hood, overboots, combat gear, and weapon within 15 minutes.
5. Wash decontaminated weapons with water, dry and lubricate.
6. Remove and decontaminate or dispose of contaminated protective covers covering essential equipment such as ammunition and POL.
7. Decontaminate vehicles and/or crew served weapons.
8. Reduce MOPP if decontamination efforts are adequate as determined by chemical-agent detector kits.
9. Close and mark hasty decontamination site.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (PM 3-3), NBC CONTAMINATION AVOIDANCE

3. FMFM 11-9 (PM 3-4), NBC PROTECTION
4. FMFM 11-10 (PM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.4 CONDUCT MOPP GEAR EXCHANGE AS PART OF HASTY DECONTAMINATION OPERATION

CONDITION(S): Given MOPP 4 conditions, Marines from unit decon team, Marines in contaminated MOPP 4 gear, replacement MOPP gear, an uncontaminated area, four discard containers (plastic bags are recommended), a cutting tool, and for chemical/biological decon: one M258A1 decon kit per Marine, 5 gallon container of supertropical bleach (STB) dry mix, and for radiological decon: hot, soapy water, three 3 gallon containers, rinse water, sponges, and paper towels (use M258A1 decon kit if water is not available).

STANDARD: Conduct a MOPP gear exchange to remove as much liquid and/or solid contamination as possible from the Marines and their individual equipment, as per the references.

PERFORMANCE STEPS:

1. Ensure that the selected area is uncontaminated.
2. Ensure adequate materials and sets of MOPP gear are on hand.
3. Issue replacement MOPP gear to each Marine.
4. Ensure Marines are paired into buddy teams.
5. Space the buddy teams around a circle, 1 to 3 meters apart.
6. Brief Marines on MOPP gear exchange, demonstrate procedures.
7. Stop procedures anytime you suspect contamination has spread to skin or undergarments. Decon Marine immediately with M258A1 kit and then proceed with gear exchange.
8. Supervise and ensure that MOPP gear exchange occurs as follows:
 - a. Decon individual gear.
 - b. Decon hoods.
 - c. First Marine removes overgarment coat and the trousers, buddy assists. Ensure Marines put contaminated overgarments in discard containers.
 - d. First Marine removes overboots and gloves, buddy assists by either untying or cutting overboots laces with cutting tool.
 - e. First Marine dons replacement MOPP gear and decontaminated individual equipment.
 - f. Ensure roles are reversed and the second Marine then exchanges MOPP gear, with the first Marine assisting.
 - g. Ensure the first Marine then decontaminates his gloves from assisting the second Marine. Use the M258A1 kit for this decon.
9. If applicable, check for residual chemical/biological contamination with M256A1 chemical agent detector kit or the chemical agent monitor (CAM).
10. If applicable, check the residual radiological contamination with radiacmeter. Ensure that contamination is below the negligible risk level of 0.33 cGy per hour.

REFERENCE(S):

1. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS:

1. Training. For training purposes do not cut the overboot laces.
-

TASK: 1833.6.5 PREPARE AAV FOR NUCLEAR BLAST

CONDITION(S): Given an AAV with crew and a warning of imminent nuclear blast.

STANDARD: Prepare the AAV for a nuclear blast so that the AAV and crew are prepared for the expected blast and radiation threat to the highest degree afforded by the terrain and available time.

PERFORMANCE STEPS:

1. Position the AAV behind the best available cover with the front of the AAV oriented toward the expected blast.
2. Close plenums.
3. Position UGWS directly away from the direction of the expected blast.
4. Unlock brakes and ensure transmission is in neutral.
5. Secure all hatches.
6. Secure loose equipment inside the vehicle.
7. Remove all exterior components which could be damaged by the blast and secure them inside the vehicle.
8. Remove the antennas and store them inside the vehicle.
9. Turn off master switch.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FM 17-15, TANK PLATOON

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.6 PREPARE AAV FOR CHEMICAL ATTACK

CONDITION(S): Given an AAV with crew and a warning of imminent chemical attack.

STANDARD: Prepare the AAV for a chemical attack so that the AAV and crew are prepared for the attack to the highest degree afforded by the terrain and available time.

PERFORMANCE STEPS:

1. Check CBR unit and hoses.
2. Check field protective masks.
3. Check MOPP gear.
4. Stand-to for MOPP level as directed by unit commander.

5. Place M8/9 tape on personnel and vehicle.
6. Secure loose equipment inside the vehicle.
7. Close all hatches.
8. Store all food and water inside the vehicle.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 17-15, TANK PLATOON

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.7 SUPERVISE PREPARATION OF AAV'S FOR CHEMICAL ATTACK

CONDITION(S): Given an AAV's with crews and a warning of imminent chemical attack.

STANDARD: Supervise prepare the AAV's for a chemical attack so that the vehicles and crews are prepared for the attack to the highest degree afforded by the terrain and available time.

PERFORMANCE STEPS:

1. Supervise check of CBR unit and hoses.
2. Supervise check of field protective masks.
3. Supervise check of MOPP gear.
4. Ensure personnel are ready for stand-to in MOPP level as directed by unit commander.
5. Direct placement of M8/9 tape on personnel and vehicle.
6. Ensure loose equipment moved inside the vehicles.
7. Ensure all vehicle hatches are closed.
8. Ensure all food and water are stored inside the vehicles.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FM 17-15, TANK PLATOON

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.8 SUPERVISE DELIBERATE DECONTAMINATION PROCEDURES FOR AAV'S CONDITION(S): Given organic personnel and equipment to decontaminate, decontamination team with decon equipment, supplies, decontaminants to support deliberate decontamination, personnel decontamination stations (PDS), and equipment decontamination stations (EDS), and FMFM 11-10 (FM 3-5).

STANDARD: Supervise deliberate decontamination procedures for AAV's so that the equipment and personnel are decontaminated to a condition where the unit is able to resume the mission, as per the references.

PERFORMANCE STEPS:

1. Coordinate with decontamination team leader as to time of arrival, supplies, and personnel support to be furnished by the contaminated unit, and estimated time of completion.
2. Request route clearance to PDS/EDS assembly area.
3. Attach advance party to PDS/EDS.
4. Direct unit movement of main body to PDS/EDS and organize for decontamination processing.
5. Begin decontamination.
6. Ensure vehicles are processed through the EDS in accordance with type of contamination.
7. Ensure equipment is monitored for residual contamination.
8. Ensure personnel are processed through the various PDS.
9. Reorganize unit after decontaminating is complete in clean area upwind of residual contamination.
10. Prepare for resumption of mission.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.9 SUPERVISE HASTY DECONTAMINATION PROCEDURES FOR AAV'S

CONDITION(S): Given organic equipment, supplies, and decontaminants to support hasty decontamination, and FMFM 11-10 (FM 3-5).

STANDARD: Supervise hasty decontamination procedures for AAV's ensuring decontamination site is prepared, controlled, and operated as per the references.

PERFORMANCE STEPS:

1. Select hasty decontamination site.
2. Supervise preparation of hasty decontamination site.
3. Supervise hasty decontamination site.
4. Ensure personnel remove gross liquid chemical or nuclear contamination from individual protective overgarments, combat gear, and weapons with sticks or other improvised devices.
5. Supervise personnel in decontaminating individual protective gloves, hood, overboots, combat gear, and weapon.

6. Ensure decontaminated weapons are washed with water, dried, and lubricated.
7. Ensure contaminated protective covers covering essential equipment such as ammunition and POL are removed and decontaminated or disposed of.
8. Ensure assigned operators/crewmembers decontaminate their vehicles and/or crew served weapons.
9. Reduce MOPP if decontamination efforts are adequate as determined by chemical-agent detector kits.
10. Close and mark hasty decontamination site.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.10 SUPERVISE PREPARATION OF AAV'S FOR NUCLEAR ATTACK

CONDITION(S): Given a unit mission, a warning of imminent nuclear attack, a tactical situation, and an AAV platoon with crews.

STANDARD: Supervise crew preparations of AAV's to withstand a nuclear blast making best use of available vehicle NBC systems and any field expedient measures possible.

PERFORMANCE STEPS:

1. Identify backup command and control procedures.
2. Alert any other units in area.
3. Remove any food, water, ammunition, etc. stored outside the vehicles and place inside vehicle or other hardened area.
4. Remove antennas and any other electronic equipment from hulls and store inside vehicles or other hardened location.
5. Direct all crews to use the NBC system on their vehicles and to secure all loose gear.
6. Position UGWS directly away from blast direction, ensure brakes are unlocked and transmissions are in neutral. Ensure all hatches and outside accesses use closed, dogged, and sealed as best as possible.
7. If situation permits, leave the area of the imminent blast as quickly as possible. Otherwise, continue mission.
8. If situation will not permit leaving the area, try to shield the AAV's in rock outcroppings, hillside areas, etc. Ensure the front of the vehicle point toward the expected blast.

REFERENCE(S):

1. FMFM 11-2 (FM 3-100), NBC OPERATIONS
2. FMFM 11-8 (FM 3-3), NBC CONTAMINATION AVOIDANCE
3. FMFM 11-9 (FM 3-4), NBC PROTECTION
4. FM 17-15, TANK PLATOON

Appendix B to
ENCLOSURE (6)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.11 OPERATE CBR SYSTEM ON AAV

CONDITION(S): Given an AAV, field protective mask, and NBC threat.

STANDARD: Operate the CBR system on the AAV so that operations can be continued, communications are reestablished, and the CBR system is on and operating as per the references.

PERFORMANCE STEPS:

1. Don protective mask.
2. Start CBR unit operations.
3. Establish communications from mask.
4. Stop CBR operations when "all clear" is received/verified.

REFERENCE(S):

1. TM 3-4240-280-10, OPERATOR'S MANUAL, M2SA1 PROTECTIVE MASK
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.12 DECONTAMINATE EQUIPMENT USING M13 DECONTAMINATING APPARATUS, PORTABLE

CONDITION(S): Given an area of chemical contamination on a vehicle or on equipment that must be decontaminated, M13 decontaminating apparatus, portable (DAP) with DS2, in MOPP 4.

STANDARD: Decontaminate equipment using M13 decontaminating apparatus, portable (DAP), by spraying it with DS2 from M13 DAP, and then scrubbing it, without injury to personnel or damage to equipment, as per the references.

PERFORMANCE STEPS:

1. Start at highest point on the equipment and work down, holding brush about 3 feet from contaminated area.
2. Open pump valve by turning it to "in line" position.
3. Pump one stroke while spraying DS2 across a 4-foot to 5-foot area; then close pump valve.
4. Use brush to scrub DS2 over contaminated surfaces.
5. Repeat steps 1 through 4 until surfaces being decontaminated are wet.
6. Whenever possible, rinse with water or wipe off with rags those items that have been sprayed or scrubbed with DS2 after a contact time of 30 minutes.

REFERENCE(S):

1. FMFM 11-10 (FM 3-5), NBC DECONTAMINATION
2. TM 3-4230-214-12&P, OPERATOR'S AND UNIT MAINTENANCE MANUAL, (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST), DECONTAMINATING APPARATUS, PORTABLE, 14 LITER, M13

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.13 DECONTAMINATE EQUIPMENT USING ABC-M11
DECONTAMINATING APPARATUS

CONDITION(S): Given an area of chemical contamination on a vehicle or on equipment that must be decontaminated, in MOPP 4, an empty ABC-M11 decontaminating apparatus, two spare nitrogen cylinders, and a 1-1/3 quart can of DS2.

STANDARD: Decontaminate the equipment using an ABC-M11 decontaminating apparatus by spraying DS2 from ABC-M11, without injury to personnel or damage to equipment, as per the reference.

PERFORMANCE STEPS:

1. Fill the ABC-M11 decontaminating apparatus.
2. Pressurize the ABC-M11 decontaminating apparatus.
3. Decontaminate equipment.

REFERENCE(S):

1. TM 3-4230-204-12&P, OPERATOR'S AND UNIT MAINTENANCE MANUAL, (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST), DECONTAMINATING APPARATUS, PORTABLE, DS2, 1-1/2 QUART, ABC-M11

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.6.14 USE AN/PDR-27 SERIES RADIAC SET

CONDITION(S): Given a complete AN/PDR-27 series radiac set, the appropriate TM for the AN/PDR-27 model, and personnel, equipment, and/or supplies suspected to be radiologically contaminated.

STANDARD: Use the AN/PDR-27 series radiac set by identifying the type of radiation present and determining the dose-rate reading for gamma radiation, as per the references.

PERFORMANCE STEPS:

1. Prepare the radiac set for use.
2. Monitor personnel, equipment, and supplies.
3. Hold the probe within 1 inch of the object being monitored; do not touch the probe to the object.
4. Determine if radiological contamination is present.
5. Identify the type of radiation, if present.
6. Determine the dose-rate reading for gamma radiation, if present.

REFERENCE(S):

1. FMFM 11-10 (PM 3-5), NBC DECONTAMINATION
2. TM 11-6665-209-10, OPERATOR'S MANUAL, RADIAC SETS, AN/PDR-273, AN/PDR-27L, AND AN/PDR-27Q

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 7 - OPERATION

TASK: 1833.7.1 BRIEF CREW

CONDITION(S): Given an operation order and personnel to brief.

STANDARD: Brief crew so that all Marines understand their mission, the general scheme of maneuver, and their roles.

PERFORMANCE STEPS:

1. Review the operations order.
2. Give brief to crew and embarked troop leader.
3. Review emergency procedures of each crewmember if AAV is disabled.
4. Review emergency procedures of each crewmember if AAV is sinking.
5. Brief crew responsibilities for mechanized operations ashore in support of infantry.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 3-1, COMMAND AND STAFF ACTION
3. FM 21-60, VISUAL SIGNALS
4. FM 21-26, MAP READING AND LAND NAVIGATION
5. FM 101-5-1, OPERATIONAL TEAMS AND SYMBOLS
6. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)
7. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.2 CONDUCT PASSENGER ORIENTATION AND SAFETY BRIEF

CONDITION(S): Given passengers to brief, a mission, and an AAV.

STANDARD: Conduct passenger orientation and safety briefs that cover general information on the AAV as well as general safety information and emergency debarkation procedures.

PERFORMANCE STEPS:

1. Brief passengers on general AAV information.
2. Brief passengers on tactical/mission specific information.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.3 OPERATE AAVP7A1 SYSTEM COMPONENTS

CONDITION(S): Given an AAVP7A1 with crew and Th 09674A-10/3.

STANDARD: Operate the AAVP7A1 system components in accordance with the reference.

PERFORMANCE STEPS:

1. Start engine.
2. Operate audio warning system.
3. Operate smoke generation system.
4. Operate personnel heater.
5. Operate manual fire suppression system.
6. Arm the Automatic Fire Sensing and Suppression System (AFSSS).
7. Operate the portable fire extinguisher.
8. Operate vehicle lights.
9. Operate ventilation system.
10. Install and remove center troop seats.
11. Operate hatches.
12. Operate intake and exhaust grills.
13. Operate ramp.
14. Install and remove blackout covers.
15. Operate searchlight.
16. Operate bowplane.
17. Operate water drive system.
18. Operate magnetic heading system.
19. Operate extension light (drop light).
20. Stop engine.

REFERENCE(S):

1. TM 09674A-10/3

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.4 DEMONSTRATE AAV CREW FUNCTIONS

CONDITION(S): Given an AAV with crew, applicable equipment, and the references.

STANDARD: Demonstrate AAV crew functions for each position per the references.

PERFORMANCE STEPS:

1. Conduct/demonstrate the duties for the crewchief of an AAV.
2. Conduct/demonstrate the duties for the driver of an AAV.

3. Conduct/demonstrate the duties for a crewman of an AAV.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.5 PERFORM AAV GROUND GUIDE SIGNALS

CONDITION(S): Given an AAVP7A1 with crew to guide, a flashlight, road flares and chem lights.

STANDARD: Ground guide the AAV using hand and arm signals around other vehicles, obstacles, and/or through congested areas in both daylight and darkness to reach designated area.

PERFORMANCE STEPS:

1. Signal vehicle to move forward.
2. Signal vehicle to move backward (only with another guide behind the vehicle).
3. Signal vehicle to turn (left and right).
4. Signal vehicle to pivot (left and right).
5. Signal vehicle to stop.
6. Signal ramp down.
7. Signal ramp up and dogged.

REFERENCE(S):

1. TM 09764A-10/3
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.6 OPERATE NIGHT VISION GOGGLES

CONDITION(S): Given night vision goggles complete with batteries, and an outside environment free of lights.

STANDARD: Operate the night vision goggles so that normal procedures can be conducted as per the appropriate TM.

PERFORMANCE STEPS:

1. Conduct pre-operational checks.
2. Prepare goggles for operation.
3. Operate the goggles.
4. Shutdown and stow the goggles.

REFERENCE(S):

1. TM 11-5855-238-10, OPERATOR'S MANUAL, AN/PVS-5

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.7 COMMUNICATE USING AAVP7A1 COMMUNICATION EQUIPMENT

CONDITION(S): Given an AAVP7A1 with operational communications equipment, crew, frequencies, call signs, a commsec fill, and the appropriate references.

STANDARD: Communicate using the communications equipment aboard the AAVP7A1.

PERFORMANCE STEPS:

1. Prepare the communications system for operation.
2. Operate the DH-132 CVC helmet.
3. Operate the audio frequency amplifier AM-7162/VIC-2(V).
4. Operate the radio receiver R442/VRC.
5. Operate the radio receiver/transmitter RT-246/VRC.
6. Operate the radio receiver/transmitter RT-524/VRC.
7. Operate the frequency selector control C-2742/VRC.
8. Operate SINCGARS in single channel.
9. Operate the intercom C-11133/VIC-2(V).
10. Operate the intercom C-11135/VIC-2(V).
11. Operate the TSEC/KY-57 communications security equipment.
12. Prepare inter-AAV wire communications (Hot-Loop).
13. Operate the position location reporting system (PLARS) radio set AN/VSQ-1.
14. Secure communications equipment from operation.

REFERENCE(S):

1. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO, ICOM
2. TM 09674A-10/3, OPERATOR'S MANUAL AAVP7A1
3. TM 11-5820-890-10-1, OPERATOR'S MANUAL, SINCGARS GROUND COMBAT NET RADIO ICOM

ADMINISTRATIVE INSTRUCTIONS:

1. This task is reference dependent and requires the use of the technical manual for successful task performance. Performance in the appropriate reference should be followed closely.
-

TASK: 1833.7.8 DRIVE AN AAV ON LAND

CONDITION(S): Given an AAV with crew, varied terrain, obstacles (natural and man-made) and TM 09674A-10/3.

STANDARD: Drive the AAV on land to a designated location without losing control of the AAV at any time, applying emergency procedures as required, and continuously observing the forward terrain for possible enemy targets and for likely friendly firing positions, as per the references.

PERFORMANCE STEPS:

1. Perform before operations checks.
2. Start the AAV.
3. Perform after starting checks.
4. Ensure vehicle ramp is closed and locked.
5. Ensure vehicle is clear to move.
6. Operate vehicle on land.
7. Perform during operation checks.
8. Drive up and down hills as required.
9. Drive over obstacles as required.
10. Drive across ditches as required.
11. Use evasive driving techniques as required.
12. Drive at night, with and without outside lights and with and without night vision devices, as required.
13. Stop the vehicle.
14. Perform after operation checks.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.9 OPERATE AN AAV IN THE WATER

CONDITION(S): Given an AAV with crew, water to operate in, and TM 09674A-10/3.

STANDARD: Operate the AAV in the water, moving to a designated location without injury to the crew or damage to the vehicle, without losing control of the AAV at any time, applying emergency procedures as required, and continuously observing the forward terrain for possible enemy targets and for likely friendly firing positions, as per the references.

PERFORMANCE STEPS:

1. Perform pre-water operations checks.
2. Drive the AAV into the water.
3. Employ bow plane.
4. Drive AAV through the water.
5. Retract the bow plane.
6. Drive the AAV out of the water.
7. Perform after operations checks.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.10 SLAVE START AN AAV

CONDITION(S): Given an AAV with dead batteries, crew, NATO slave cable, an operational vehicle with a compatible electrical system (another AAV) with crew, and TM 09674A-10/3,

STANDARD: Slave start the AAV so that the dead AAV is started, all safety precautions are observed, and all after-start checks are completed.

PERFORMANCE STEPS:

1. Prepare AAV's for slave starting.
2. Position source vehicle.
3. Slave start the downed vehicle.
4. Make after-start checks.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.11 TOW START AN AAV

CONDITION(S): Given an AAV with dead batteries, which can not be started with use of a slave cable, crew, available operational AAV7A1, with pre-operational checks completed.

STANDARD: Tow start an AAV so that the discharged vehicle is running and damage to equipment or injury to personnel is avoided as per TM 09674A-10/3.

PERFORMANCE STEPS:

1. Connect tow bar or tow cables.
2. Prepare to tow start dead vehicle.
3. Tow start vehicle.
4. When engine starts, signal tow vehicle and bring both vehicles to a halt.
5. Disconnect tow bar or tow cables and make after-start checks.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.12 REFUEL AN AAV

CONDITION(S): Given a stationary AAV with crew, portable fire extinguisher, and a fuel source.

STANDARD: Refuel AAV as per the references, so that the fuel tanks are filled or the fuel source is depleted.

PERFORMANCE STEPS:

1. Ensure crewmember is ready to use portable fire extinguisher.
2. Ensure all safety requirements of the refueling point are observed.
3. Refuel the AAV.
4. Secure all equipment.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. TM 8F152B-25&P, POWER PLANT ASSEMBLY

ADMINISTRATIVE INSTRUCTIONS:

1. Primary fuel under normal conditions for the AAV is JP-8. If other than normal conditions exist or if another type fuel is used ensure the fuel complies with the requirements in TM 8F152B-25&P.
-

TASK: 1833.7.13 SCREEN MOVEMENT WITH SMOKE GENERATOR ON AAV

CONDITION(S): Given an AAV with crew and a tactical environment.

STANDARD: Screen movement with smoke generator on the AAV so that movement of the AAV is screened from enemy observation.

PERFORMANCE STEPS:

1. Engage Smoke generator.
2. Coordinate movement of AAV to ensure driver does not become disoriented in the smoke screen.
3. Instruct driver to deactivate smoke generator system so as not to produce a smoke trail which will reveal vehicle position or movement.
4. Coordinate with other AAV's to ensure effective tactical use of smoke.
5. Only use smoke generator IAW unit SOP.

REFERENCE(S):

1. FM 17-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK
2. FM 17-15, TANK PLATOON
3. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
4. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.14 DIRECT EVACUATION OF EMBARKED PERSONNEL FROM AAV
IN EMERGENCY SITUATION

CONDITION(S): Given an AAV with crew, embarked personnel, vehicle
afloat, and an emergency situation.

STANDARD: Evacuate embarked personnel from AAV in a timely and
safe manner while maintaining control of the situation at all times.

PERFORMANCE STEPS:

1. Recognize an emergency situation.
2. Conduct emergency evacuation.
3. Instruct and supervise crewmembers in their duties.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL AAVP7A1
2. FMFM 9-2, AMPHIBIOUS VEHICLES
3. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.15 LOAD CARGO

CONDITION(S): Given cargo to load, an AAV to load cargo on, and a
crew to assist in loading.

STANDARD: Load cargo so that there is still space to reach the
rear engine panel and other points of access which may need crew
service during transit. Cargo will not prevent proper closing of
the cargo hatches or other vehicle hatches and doors. Total cargo
weight will not exceed 10,000 pounds. Cargo will be securely
stowed and lashed down.

PERFORMANCE STEPS:

1. Evaluate the cargo which is to be loaded against the
following typical AAV loads which can be safely carried.
Loads similar to this, or combinations of partial lots of
these items can be safely carried.
2. Determine what items will be loaded and positioning of the
items.
3. Reconfigure vehicle as necessary for load (litter kit for
casualties, etc).
4. Supervise loading crew in loading the cargo on and securing
it for movement.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.16 COMMUNICATE USING THE AAVC7A1 COMMUNICATIONS SYSTEM

CONDITION(S): Given a mission, a unit to support (with the radios they provide for installation in the AAVC7A1), and a fully operational and crewed AAVC7A1.

STANDARD: Communicate using the AAVC7A1 communications system so that its full capability is utilized, and the supported unit commander is assisted in completing his mission.

PERFORMANCE STEPS:

1. Operate and trouble shoot MSQ 115 system.
2. Transmit on designated command and control circuits when directed by the supported unit commander.
3. Use voice encryption capabilities when directed.
4. Transmit/receive on the two VHF-FM vehicle radios.
5. Operate the intercom systems (crew, staff, and radio operator's intercom).
6. Operate static telephone lines when in a static situation.
7. Assist embarked staff on MSQ 115 system operations.
8. Operate SINCGARS radio set.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.17 RECOVER DISABLED AAV IN WATER USING OTHER AAV'S

CONDITION(S): Given a fully equipped operational AAV with crew, and a disabled vehicle to tow.

STANDARD: Recover disabled AAV in water using other AAV's so that vehicle and passengers are transported to the beach safely. The disabled AAV will be towed in compliance with all safety precautions to personnel and equipment.

PERFORMANCE STEPS:

1. Ensure crewchief of the disabled AAV has completed preparations for towing.
2. Direct driver to position the rescue vehicle in front of the disabled AAV.
3. Direct crewman to hook two towlines to the sea tow quick-release and around mooring cleats on towing vehicle.
4. Ensure that the crewchief of the disabled AAV directs his crew to hook the other end of towing lines to mooring cleats on his vehicle.
5. Once the lines have been attached, have the crewman (who is hooked into the vehicle intercom system), watch the towed vehicle through the ramp vision block of the towing vehicle.
6. Before the slack in the lines is taken up and strain is placed on them, ensure that the hatches of both vehicles are secured, in order to prevent injury from parted or backlashing lines.
7. Tow vehicle to the high water mark on the beach before releasing the towing lines and attaching the stern towing cable.
8. Slack and release towlines.
9. Attach tow bar or crossed tow cables at high water mark on beach.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.18 RECOVER A DISABLED AAV

CONDITION(S): Given a mired, nosed-in or overturned AAV, a maneuverable tracked vehicle capable of towing the disabled AAV, crews, SL-3 items, vehicle TM, and FM 20-22.

STANDARD: Recover the disabled AAV so that AAV is returned upright on solid ground, without injury to personnel or damage to vehicles or equipment, as per the references.

PERFORMANCE STEPS:

1. Reconnoiter area.
2. Estimate the situation.
3. Compute an estimated mechanical advantage for the rigging.
4. Compute the tackle resistance and total resistance.
5. Verify solution.
6. Orient the personnel and instruct them to assemble the rigging and then move to a safe location.
7. Recheck rigging.
8. Conduct recovery.
9. Tow disabled AAV as per the references.

REFERENCE(S):

1. FM 20-22, VEHICLE RECOVERY OPERATIONS
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.19 TRANSPORT CASUALTIES

CONDITION(S): Given a fully operational and crewed AAV, litter kit, and TM 2350-10/1.

STANDARD: Transport casualties so that they are moved to designated medical areas as directed. The litter kit will be installed and the casualties transported in the installed litters.

PERFORMANCE STEPS:

1. Have crew install litter kit in AAV.
 - a. Hook the 8 vertical chains to the 8 hull brackets and floor slots.
 - b. Hook the two horizontal chains to the four hull brackets.

- c. Suspend the litters on four litter hooks each.
- d. Secure litter to litter hooks and hull loops with straps.
2. Have crew assist in loading casualties.
3. Transport casualties, using the best speed and maneuvering possible as determined by operational scenario and condition of the casualties.

REFERENCE(S):

1. TM 2350-10/1, SPECIAL MISSIONS KIT

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.20 OPERATE AN/VVS-2 NIGHT VISION VIEWER FROM AAV

CONDITION(S): Given a stationary AAV and an AN/VVS-2 night vision viewer with batteries, a dark environment, and TM 09674A-10/3.

STANDARD: Operate AN/VVS-2 night vision viewer from the AAV so that normal operations can be conducted as per TM 09674A-10/3.

PERFORMANCE STEPS:

1. Remove plug assembly from hatch cover.
2. Install the night vision viewer.
3. Install the battery, positive (+) end first.
4. To operate the viewer without battery power from driver's station, remove battery, and connect power cable.
5. Look at the viewer screen and adjust the OFF-BRIGHT knob.
6. Turn the viewer left or right to see the area of operation.

REFERENCE(S):

1. TM 11-5855-249-10, OPERATOR'S MANUAL, AN/VVS-2 NIGHT VISION VIEWER
2. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.21 ASSIST IN DEVELOPING AAV UNIT TRAINING SCHEDULE

CONDITION(S): Given a list of individual training standards (ITS) to be trained, a list of operational commitments, FMFM 0-1 and FMFM 0-1A.

STANDARD: Assist in developing the AAV unit training schedule based on the mission performance standards (MPS) set forth in MOO 3501.11, and the development process outlined in FMFM 0-1 and FMFM 0-1A.

PERFORMANCE STEPS:

1. Determine individual or unit proficiencies and deficiencies.
2. Select individual or collective training standards.
3. Determine instructional settings, methods, and media.

4. Specify when training takes place and where it takes place.
5. Allocate the amount of time for scheduled training and also additional training as required to correct anticipated deficiencies.
6. Provide concurrent training topics that will efficiently use available training time.
7. Plan the required training resources.
8. Specify who conducts the training and who evaluates the results.
9. Provide administrative information concerning uniform, weapons, equipment, references, and safety precautions.
10. Submit input to executive officer/training officer.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.22 ASSIST IN EVALUATING AAV RELATED TRAINING EFFECTIVENESS

CONDITION(S): Given an AAV unit, MCCRES results or the opportunity to observe training, MCO 3501.11, FMFM 0-1 and FMFM 0-1A.

STANDARD: Assist in evaluating AAV related training effectiveness based on training exercise performance and recommend solutions to correct deficiencies.

PERFORMANCE STEPS:

1. Examine MCCRES scores or observe the training exercise or activity.
2. Evaluate performance to determine whether Marines can meet the standard after training.
3. Evaluate preparation based on indicators observed during training.
4. Critique individual and collective performance. Determine:
 - a. What happened?
 - b. Why did it happen?
 - c. How could it have been done better?
5. Note the results of performance evaluations of individuals in appropriate records as determined by unit SOP.
6. Record the results of collective training in after action reports (AAR) or appropriate records as determined by unit SOP.
7. Make recommendations as to future training needs or changes in the training.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.23 PRESENT AAV UNIT TRAINING

CONDITION(S): Given training objectives, a training outline and training material, Marines to train, and FMFM 0-1A.

STANDARD: Present AAV unit training as per FMFM 0-1A, so that training objectives are met, and the training schedule is followed.

PERFORMANCE STEPS:

1. Prepare for instruction (rehearse).
2. Introduce the subject and give the relevance and conceptual framework of the training.
3. Present the learning outcome, method of training, and method of evaluation.
4. Pretest the Marines.
5. Present the instruction, employing primacy/regency and questioning techniques.
6. Demonstrate the performance.
7. Require Marines to practice the behavior cited in the training objective.
8. Provide feedback on the success or failure of the Marines' practice performance.
9. Post-test the Marines.
10. Provide feedback on the success or failure of the Marines' performance test.
11. Allow Marines to critique the training.
12. Present the summary and closing instructions.

REFERENCE(S):

1. FMFM 0-1A, HOW TO CONDUCT TRAINING
2. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.24 SUPERVISE AAV UNIT TRAINING

CONDITION(S): Given training requirements and an AAV unit.

STANDARD: Supervise AAV unit ensuring training maintains maximum operational readiness and unit and individual survivability.

PERFORMANCE STEPS:

1. Ensure personnel receive sufficient instruction in MOS/military skills in accordance with the ITS's set forth in this publication.
2. Ensure exercises simulate actual combat conditions.
3. Ensure local conditions and specific unit functions are incorporated into exercise development.
4. Ensure integration of training with unit mission.
5. Ensure safety regulations and considerations are applied; stop training if safety is compromised.

6. Evaluate how well Marines accomplish their duties.
 - a. Determine individual/unit training needs.
 - b. Determine if individual responsibilities should be increased or decreased.
7. Identify training deficiencies and outline procedures to correct deficiencies or schedule required training.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING
4. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.25 CONSOLIDATE LOGISTICAL SUPPORT REQUIREMENTS

CONDITION(S): Given logistical support requirements from section, platoon, or other levels of AAV organization.

STANDARD: Consolidate logistical support requirements and forward to supported/parent unit as per the references.

PERFORMANCE STEPS:

1. Determine whether AAV unit is in general support, direct support, or attached to the supported unit.
2. Review support requirements of subordinate units.
3. Identify logistical support to include:
 - a. Combat service support requirements.
 - b. Vehicle recovery procedures.
 - c. Availability of unit logistics and support vehicles.
 - d. Emergency resupply procedures.
 - e. Repair parts and means of requesting them.
4. Combine all support requirements into one comprehensive list of support requirements.
5. Forward support requirements to necessary levels or logistical support, whether supported or parent unit.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
3. FM 7-7, THE MECHANIZED INFANTRY PLATOON
4. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
5. FMFM 3-1, COMMAND AND STAFF ACTION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.26 PROVIDE INPUT CONCERNING SUPPORT REQUIREMENTS TO SUPERVISOR

CONDITION(S): Given an operational AAV with crew, a supervisor, and a tactical mission.

STANDARD: Provide input to supervisor so that he is able to act on providing the support required for your AAV and crew to complete the mission.

PERFORMANCE STEPS:

1. Provide equipment status to supervisor.
2. Provide personnel status to supervisor.
3. Provide materiel support to supervisor.

REFERENCE(S):

1. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.27 SUPERVISE RESUPPLY OF AAV UNIT

CONDITION(S): Given a mission, a tactical situation, resupply needs, logistics report forms, positive communications with supported unit and other supporting units.

STANDARD: Supervise resupply of AAV unit so that supply items essential to the conduct of the mission are distributed using a distribution system that is compatible with the tactical mission.

PERFORMANCE STEPS:

1. Supervise method of distribution based on the tactical situation.
2. Supervise distribution of:
 - a. POL products.
 - b. Food and water.
 - c. Ammunition requirements.
 - d. Personnel replacements, including corpsmen.
 - e. Motorized transportation needs.
 - f. Other specialized support needs.

REFERENCE(S):

1. MCO 3501.11, MARINE CORPS COMBAT READINESS EVALUATION SYSTEM: VOLUME X, COMBAT VEHICLES
2. MCO P4790.2, MIMMS FIELD PROCEDURES MANUAL
3. FM 7-7, THE MECHANIZED INFANTRY PLATOON
4. FM 71-1, TANK AND MECHANIZED INFANTRY COMPANY TEAM
5. FMFM 3-1, COMMAND AND STAFF ACTION
6. OH 9-3, MECHANIZED COMBINED ARMS TASK FORCES (MCATF)

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.28 CONDUCT SURF SURVIVAL TRAINING

CONDITION(S): Given two or more fully operational and crewed AAV's to conduct training, two or more AAV's functioning as Beach Rescue Team (BRT), positive communications between all AAV's, a MCIWS qualified Marine, a maximum of 10 pairs of students per AAV, training area with water at least 55 degrees F., wave height not to exceed 4 feet, and longshore current not to exceed 3 knots.

STANDARD: Conduct surf survival training so that personnel are taught swimming techniques and how to survive cold water temperatures as per the references. Ensure all safety procedures are followed.

PERFORMANCE STEPS:

1. Plan the training.
2. Coordinate with Battalion S-3 office.
3. Coordinate formation of teams or groups with unit to be trained.
4. Ensure that safety lecture to units receiving surf survival training includes:
 - a. Correct use of the life jacket.
 - b. How to abandon an AAV.
 - c. How to enter the water (jumping, not diving).
 - d. The importance of the buddy system.
 - e. Basic swimming strokes.
 - f. Pair weak swimmers with strong swimmers.
5. Draft surf report prior to commencement of training.
6. Transmit surf report to AAV Battalion S-3, prior to commencement of water operations.
7. Ensure that water escort AAV's are positioned so that they do not drift into swimmers as they swim through the surf zone and to the beach.
8. Monitor and observe all phases of the training, being especially watchful for potential safety threats to personnel and equipment.

REFERENCE(S):

1. FMFM 9-2, AMPHIBIOUS VEHICLES
2. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
3. FMFM 0-1A, HOW TO CONDUCT TRAINING
4. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE
5. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.29 SUPERVISE SURF SURVIVAL TRAINING

CONDITION(S): Given 2 or more fully operational and crewed AAV's to conduct training, 2 or more AAV's functioning as Beach Rescue Team (BRT), positive communications between all AAV's, a MCIWS qualified Marine, a maximum of 10 pairs of students per AAV, training area with water at least 55 degrees F., wave height not to exceed 4 feet, and longshore current not to exceed 3 knots.

STANDARD: Supervise surf survival training so that personnel are taught swimming techniques and how to survive cold water temperatures as per the references. Ensure all safety procedures are followed.

PERFORMANCE STEPS:

1. Supervise preparations of AAV's and crews for training evolution.
2. Supervise the transit of AAV's to the training site.
3. Supervise the training evolution.
 - a. Ensure one Combat Water Swim qualified Marine is assigned to each training group.
 - b. Ensure weak swimmers are identified by wearing a white T-shirt over utility shirt.
 - c. Ensure troops are paired up based on swimming skills.
 - d. Ensure pairs enter water clothed in utilities (boots not specifically required).
 - e. Ensure pairs swim to shore or to a pick-up boat, depending on instructions and conditions.
4. Supervise swimmers; monitor paired swimmers for evidence of panic or other distress.
5. Abort training and rescue swimmers if safety indicates.

REFERENCE(S):

1. FMFM 0-1, UNIT TRAINING MANAGEMENT GUIDE
2. FMFM 0-1A, HOW TO CONDUCT TRAINING
3. SYSTEMS APPROACH TO TRAINING (SAT) GUIDE
4. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.7.30 START ENGINE UNDER FREEZING CONDITIONS

CONDITION(S): Given an AAVP7A1, applicable equipment, freezing conditions, and the references.

STANDARD: Start the AAV as per the references.

PERFORMANCE STEPS:

1. Perform pre-operation checks.
2. Prepare AAV for starting.
3. Start AAV.
4. Conduct after engine procedures and checks.
5. Prepare AAV for operations.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 8 - GUNNERY

TASK: 1833.8.1 LOAD M257 GRENADE DISCHARGER ON AAV

CONDITION(S): Given a stationary AAV with crew, and 8 smoke grenades.

STANDARD: Load the M257 smoke grenade launchers on the AAV so that all grenades are seated and secured in the launcher tubes as per the references.

PERFORMANCE STEPS:

1. Set TURRET POWER switch to OFF.
2. Remove covers from grenade dischargers.
3. Check grenade discharger tubes for dirt or sharp objects. Clean as needed.
4. Put smoke grenades into grenade discharger tubes as per the references.
5. Turn each smoke grenade 1/4-turn to 1/2-turn clockwise to ensure electrical contact.
6. Replace covers if required.

REFERENCE(S):

1. TM 10008A-10/A1, UGWS MANUAL, AAVP7A1
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.2 FIRE M257 GRENADE DISCHARGER ON AAV

CONDITION(S): Given a moving or stationary AAV with crew, and loaded M257 grenade dischargers with covers removed.

STANDARD: Fire the M257 grenade dischargers on the AAV so that the AAV is concealed by the smoke, or the AAV's movement is screened from direct enemy observation.

PERFORMANCE STEPS:

1. Announce "GRENADE LAUNCHER" and traverse the turret to desired direction or fire.
2. Ensure crew members and embarked personnel are inside the AAV and the hatches are closed.
3. Fire the Grenades.

REFERENCE(S):

1. FM 11-12-1-1, TANK GUNNERY TRAINING (ABRAMS), VOLUME I - TANK CREW HANDBOOK
2. TM 10004A-10/A1-, UGWS MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

Appendix B to
ENCLOSURE (6)

TASK: 1833.8.3 MAINTAIN THE MACHINEGUNS FOR THE AAV UGWS

CONDITION(S): Given dismounted UGWS machineguns, cleaning kit, clean rags, CLP, and appropriate references.

STANDARD: Maintain the UGWS machineguns so that they are cleaned and lubricated and all operator preventive maintenance is performed as per the references.

PERFORMANCE STEPS:

1. Clear the machineguns.
2. Disassemble the machineguns.
3. Inspect, clean, and lubricate the components.
4. Record worn or defective parts in equipment record jackets. Tag defective parts and inform armorer.
5. Assemble the machineguns.
6. Conduct functions checks on the machineguns.

REFERENCE(S):

1. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL
2. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
3. TM 9-1005-262-15, MAINTENANCE MANUAL, 7.62MM M60D MACHINEGUN
4. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
5. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.4 MAINTAIN THE M60D 7.62MM MACHINEGUN

CONDITION(S): Given an M60D 7.62mm machinegun with equipment record jacket, cleaning rod, bore brush, chamber and receiver brushes, clean cotton rags and swabs, CLP, TM 9-1005-224-10 and TM 9-1005-262-15.

STANDARD: Maintain the M60D 7.62mm machinegun so that the machinegun is cleaned and lubricated and all operator preventive maintenance is performed as per the references.

PERFORMANCE STEPS:

1. Clear the machinegun.
2. Disassemble the machinegun.
3. Inspect, clean, and lubricate the components.
4. Record worn or defective parts in equipment record jacket. Tag defective parts and inform armorer.
5. Assemble the machinegun.
6. Conduct a function check.

REFERENCE(S):

1. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
2. TM 9-1005-262-15, MAINTENANCE MANUAL, 7.62MM M60D MACHINEGUN
3. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.5 INSTALL MACHINEGUNS WITHIN THE AAV UPGUNNED WEAPONS STATION (UGWS)

CONDITION(S): Given a stationary AAV with crew, UGWS, UGWS machineguns, and appropriate references.

STANDARD: Install the machineguns in the UGWS as per the references.

PERFORMANCE STEPS:

1. Ensure machineguns are cleared and ARMED light on SAFE/ARMED switch is not lit.
2. Install machineguns in their respective mounts.
3. Conduct function check on UGWS.

REFERENCE(S):

1. TM 10004A-10/1, UGWS OPERATOR'S MANUAL
2. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
3. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS:

1. This task is reference dependent and requires the use of the technical manual for successful task performance. Performance in the appropriate reference should be followed closely.
-

TASK: 1823.8.6 REMOVE MACHINEGUNS FROM THE AAV UPGUNNED WEAPONS STATION (UGWS)

CONDITION(S): Given a stationary AAV with crew, UGWS, UGWS machineguns, and appropriate references.

STANDARD: Remove the machineguns in the UGWS as per the references.

PERFORMANCE STEPS:

1. Ensure machineguns are cleared and ARMED light on SAFE/ARMED switch is not lit.
2. Remove the machineguns.

REFERENCE(S):

1. TM 10004A-10/1, UGWS OPERATOR'S MANUAL
2. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
3. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS:

1. This task is reference dependent and requires the use of the technical manual for successful task performance. Performance in the appropriate reference should be followed closely.
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TASK: 1833.8.7 INSTALL M60D 7.62MM MACHINEGUN ON AN AAVC7A1

CONDITION(S): Given a equipped AAVC7A1, a cleared M60D 7.62mm machinegun to be installed, pintle mount, and machinegun mount.

STANDARD: Install the machinegun on the AAVC7A1, and perform a safety/function check, so that it is functional and can be safely used, as per TM 07268B-10/1A and TM 9-1005-224-10.

PERFORMANCE STEPS:

1. Place pintle mount on machinegun.
2. Secure mount to machinegun with quick-release pin.
3. Unlock lock and remove cover from vehicle pintle.
4. Place machinegun mount on pintle. Secure with lock.
5. Install machinegun on machinegun mount. Secure with lock.

REFERENCE(S):

1. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
2. TM 07268B-10/1A, OPERATOR'S MANUAL, AAVC7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.8 REMOVE M60D 7.62MM MACHINEGUN FROM AN AAVC7A1

CONDITION(S): Given a equipped AAVC7A1, a cleared M60D 7.62mm machinegun to be removed, pintle mount, and machinegun mount.

STANDARD: Remove the machinegun from the AAVC7A1, as per TM 07268B-10/1A and TM 9-1005-224-10.

PERFORMANCE STEPS:

1. Ensure machinegun is clear.
2. Remove machinegun.

REFERENCE(S):

1. TM 9-1005-224-10, OPERATOR'S MANUAL, 7.62MM M60D MACHINEGUN
2. TM 07268B-10/1A, OPERATOR'S MANUAL, AAVC7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.9 SET HEADSPACE AND TIMING ON CALIBER .50 M2 HB MACHINEGUN

CONDITION(S): Given an M2 HB machinegun, a headspace and timing gauge, and TM 9-1005-213-10.

STANDARD: Set headspace and timing on M2 HB machinegun so that the gun passes the GO/NO GO and FIRE/NO FIRE tests.

PERFORMANCE STEPS:

1. Clear weapon.
2. Set headspace.

3. Set timing.

REFERENCE(S):

1. TM 10004A-10/1, UGWS OPERATOR'S MANUAL
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.10 LOAD CALIBER .50 M2 HB MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with caliber .50 M1 HB machinegun, vehicle master switch and turret power switch in "on", belted M15A2 linked caliber .50 ammunition (live or dummy).

STANDARD: Load the caliber .50 M2 HB machinegun on AAV, as per TM 10004A-10/1 and TM 9-1005-213-10. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Load ammunition into the UGWS.
2. Load ammunition into the M2 HB machinegun.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.11 UNLOAD CALIBER .50 M2 HB MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with caliber .50 M1 HB machinegun loaded with belted M15A2 linked caliber .50 ammunition (live or dummy), and vehicle master switch and turret power switch in "on" position.

STANDARD: Unload the caliber .50 M2 HB machinegun on AAV, as per TM 10004A-10/1 and Th 9-1005-213-10. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Unload ammunition from the M2 HB machinegun.
2. Remove ammunition from the UGWS.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.12 BORESIGHT MACHINEGUNS ON AAV

CONDITION(S): Given an AAV with crew, basic issue components, cleared and mounted machineguns, and TM 10004A-10/1 or TM 08600A-10.

STANDARD: Boresight the machineguns on an AAV so that the vertical and horizontal lines of the commander's weapons are aligned with the boresight target as per the references.

PERFORMANCE STEPS:

1. Position AAV on level ground.
2. Ensure weapons are level.
3. Set range drum indicator to zero.
4. Ensure weapons are clear.
5. Align boresighting target to the vehicle.
6. Center reticle knobs.
7. Adjust boresighting cross on target.
8. Conduct major boresighting as required.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.13 ZERO CALIBER .50 M2 HB MACHINEGUN ON AN AAV

CONDITION(S): Given a loaded and boresighted caliber .50 M2 machinegun mounted on an AAV, crew, a target at 500 meters, 50 rounds of .50 caliber ammunition, TM 08953A-10/1-3, and TM 09674A-10/3.

STANDARD: Zero the weapon so that the reticle is centered on the target as per the references.

PERFORMANCE STEPS:

1. Alert crew on intercom by announcing "Caliber .50."
2. Lay the UGWS machineguns on a 500 meter target so that the UGWS sight is on the center of the 500 meter target.
3. Set SAFE/ARMED switch to ARMED position then let go and make sure ARMED light is lit.
4. Fire a burst of 3-5 rounds.
5. Look at beaten zone on target in relation to aim point in the sight and adjust the T&E as per the reference.
6. Set SAFE/ARMED switch to SAFE position and then let go and make sure ARMED light is not lit.
7. Ensure the aim point, sight reticle, and the beaten zone are centered.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.14 LOAD MK19 MOD3 MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with MK19 MOD3 machinegun, vehicle MASTER POWER and TURRET POWER set to ON, and belted ammunition.

STANDARD: Load the MK19 MOD3 machinegun on AAV, as per TM 10004A-10/1. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Load ammunition into the UGWS.
2. Load ammunition into the Mkl9 MOD3 machinegun.

REFERENCE(S):

1. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.15 UNLOAD MK19 MOD3 MACHINEGUN ON AAV

CONDITION(S): Given an AAVP7A1 and upgunned weapon station with MK19 MOD3 machinegun loaded with belted ammunition, and vehicle MASTER POWER and TURRET POWER set to ON position.

STANDARD: Unload the MK19 MOD3 machinegun on AAV, as per TM 10004A-10/1. Ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Unload ammunition from the Mkl9 MOD3 machinegun.
2. Remove ammunition from the UGWS.

REFERENCE(S):

1. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.16 ZERO THE MK-19 MOD 3 40mm MACHINEGUN IN THE UGWS

CONDITION(S): Given a crewed, operational AAVP7A1 with upgunned weapons station parked on level ground, mounted and boresighted MK19 MOD3 40mm and caliber .50 M2 HB machineguns and sight assembly, ammunition for each weapon prepared to fire, a target at a known distance.

STANDARD: Zero the upgunned weapons station so that the aim point is centered on the beaten zone as per the references.

PERFORMANCE STEPS:

1. Lay the UGWS sight on a target at 500 meters.
2. Fire the Mk-19 while watching the beaten zone.
3. Adjust the sights with the reticle knobs to the beaten zone.

4. Relay the sight on the target.
5. Fire the Mk-19 while watching the beaten zone; if the beaten zone is the same as the aiming point, the weapon is zeroed.
6. If the beaten zone is not the same as the aiming point repeat steps 3, 4, & 5 until the beaten zone and the aiming point are the same.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.17 APPLY FAILURE TO FIRE PROCEDURES FOR CALIBER .50 M2 HB MACHINEGUN

CONDITION(S): Given an AAVP7A1 and UGWS with M2 HB .50 caliber machinegun and dummy rounds which has failed to fire.

STANDARD: Apply failure to fire procedures for the caliber .50 M2 HB machinegun, as per TM 10004A-10/1 and TM 9-100-213-10; ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Shut off turret power before attempting any inspection of the machine gun.
2. Determine weather there is a stoppage or a malfunction.
3. Charge the weapon and attempt to fire.
4. If the weapon fires continue with the mission.
5. If the weapon does not fire inspect it following the required safety precautions.

REFERENCE(S):

1. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.18 APPLY FAILURE TO FIRE PROCEDURES FOR MK19 MOD3 MACHINEGUN

CONDITION(S): Given an AAVP7A1 and UGWS with MK19 MOD3 machinegun and dummy rounds which has failed to fire.

STANDARD: Apply failure to fire procedures for the MK19 MOD3 machinegun, as per TM 10004A-10/1 and Th 08521A-10/1; ensure all safety precautions are complied with, avoiding injury to personnel.

PERFORMANCE STEPS:

1. Shut off turret power before attempting any inspection of the machinegun.
2. Determine weather there is a stoppage or a malfunction.
3. Charge the weapon, place the selector switch on safe, then lift the feed cover and inspect the weapon, clearing it as necessary.
4. Close the feed cover and attempt to fire the weapon.
5. If the weapon fires continue with the mission.

6. If the weapon does not fire re-inspect it following the required safety precautions.

REFERENCE(S):

1. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN
2. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.19 ENGAGE TARGETS WITH THE AAVP7A1 WEAPONS STATION

CONDITION(S): Given a crewed AAVP7A1 with zeroed weapons station, a firing range, targets, ammunition for the weapons station utilized, and MOS and unit assignment of the individual concerned.

STANDARD: Engage targets with the AAVP7A1 weapons station so that the targets are suppressed or destroyed with minimum exposure to enemy observation or fire.

PERFORMANCE STEPS:

1. Identify target.
2. Place aiming point or proper range line on center mass of target.
3. Announce "ON THE WAY" and fire.
4. Employ re-engage method as needed.
5. Employ gunner's standard adjustment as needed.

REFERENCE(S):

1. TM 10004A-10/1, OPERATOR'S MANUAL, UPGUNNED WEAPONS STATION
2. TM 9-1005-213-10, OPERATOR'S MANUAL, MACHINEGUN, CALIBER .50, BROWNING, M2, HEAVY BARREL
3. TM 08521A-10/1, OPERATOR'S MANUAL, MK19 MOD3 40MM MACHINEGUN

ADMINISTRATIVE INSTRUCTIONS:

1. All MOS 1803 and 1833 personnel assigned to an AAV unit are required to perform tasks 1 through 15 and Table I from Enclosure (5), Appendix (E), of this Order, annually. Each person performing all of the tasks will require the types and quantities of ammunition in Enclosure (5), Appendix (C), of this Order. Tables II through VI from enclosure (5), Appendix (E), of this Order are to be fired by each crew annually.
 2. All other personnel assigned to an AAV unit are required to perform weapon station tasks 1-15 for annual familiarization. Each person performing only tasks 1-15 for familiarization will require the types and quantities of ammunition listed in Enclosure (5), Appendix (E), of this Order.
 3. See Enclosure (5), Appendix (C), of this Order for the detailed Class V requirement breakdown.
-

TASK: 1833.8.20 DIRECT AAV SECTION FIRES

CONDITION(S): Given a section of AAV's with crews, targets, fire and maneuver area, ammunition, and a platoon fire plan.

STANDARD: Direct AAV section fires so that timely and accurate fires are delivered on the targets, as per the references.

PERFORMANCE STEPS:

1. Assess the situation.
2. Determine fire pattern.
3. Select technique of fire.
4. Issue clear and concise fire command.
5. Terminate engagement.

REFERENCE(S):

1. TM 09674A-10/3, OPERATOR'S MANUAL, AAVP7A1
2. UNIT OPERATIONS SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.21 MAINTAIN UPGUNNED WEAPONS STATION (UGWS)

CONDITION(S): Given an AAV with an UGWS, applicable equipment, and the references.

STANDARD: Maintain the UGWS so that it functions properly in accordance with the references.

PERFORMANCE STEPS:

1. Perform pre-operation checks of the UGWS.
2. Operate the UGWS.
3. Perform preventive maintenance checks and services on the UGWS.
4. Check the inhibit zone of the UGWS.
5. Set the inhibit zone of the UGWS.
6. Notify organizational maintenance of any problems with the UGWS.

REFERENCE(S):

1. TM 10004A-10/1A
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.8.22 OPERATE UPGUNNED WEAPONS STATION (UGWS)

CONDITION(S): Given an AAV with an UGWS, applicable equipment, and the references.

STANDARD: Operate the UGWS properly in accordance with the references.

PERFORMANCE STEPS:

1. Perform pre-operation checks of the UGWS.
2. Operate electrical components and switches.
3. Operate manual components.

4. Perform during operation checks of the UGWS.
5. Perform after operation checks of the UGWS.
6. Report defects of the UGWS to organizational maintenance.

REFERENCE(S):

1. TM 10004A-10/1A
2. UNIT SOP

ADMINISTRATIVE INSTRUCTIONS: (NONE)

DUTY AREA 9 - MK-154 MINE CLEARANCE SYSTEM

TASK: 1833.9.1 DIRECT THE INSTALLATION OF A MK154 LAUNCHER ON AN AAVP7A1

CONDITION(S): Given an AAVP7A1 with crew, a MK 154 Line Charge Kit, an AAVR7A1 with crew or trained AAV mechanics with a 5-ton-capable lifting source, the designed hydraulic bleeding kit for the MK154, appropriate manuals, tools and supplies.

STANDARD: The MK154 Launcher will be installed in the AAVP7A1 so that all electrical, mechanical and hydraulic connections are made, the hydraulic system is bled per the references, and the system is prepared for operational checks.

PERFORMANCE STEPS:

1. Supervise the positioning of the vehicles.
2. Direct the preparation of the vehicles for installation of the MK 154.
 - a. Locate vehicles on level ground/surface.
 - b. Lower rear ramp of AAVP7A1.
 - c. Remove and stow center troop benches.
 - d. Open and secure all cargo hatches.
 - e. Remove all antannas.
 - f. Insure all hatch ground cables are clear of cargo openings.
 - g. Remove lower aft engine panel.
 - h. Clean all debris from vehicle troop compartment.

Inspect outside of container.

3. Supervise the bleeding of the container valve.
4. Supervise the removal of the mounting hardware on the container cover.
5. Inspect the MK 154 Launcher as stored in the shipping container.
6. Inspect all mounting hardware.
7. Direct the installation of the Forward Pallet Assembly
8. Direct the installation of the Housing and Door Assembly.
9. Direct the installation of the Rail Assembly.

10. Direct the installation of the Mast Assembly.
11. Direct the installation of the control box.
12. Direct the installation of the Arm Switch Assembly.
13. Direct the installation of the Wiring Harness Assemblies.
14. Direct the installation of the Power Cable.
15. Direct the stowage of additional Launcher Components:
 - a. Forward starboard guard
 - b. Forward and aft guards.
 - c. Blasting machine, M-34.
 - d. M51 blasting cap test set.
 - e. Remote firing harness.
 - f. Rope.
 - g. Block and tackle.
 - h. Tie down assemblies.
 - i. Communications Cable
 - j. Ramp Strap Assembly
 - k. The AAV bolts which were removed to install the MK 154 Launcher.
16. Direct crew assistance rendered to the AAV mechanics as required in the installation of the MK154 Launcher onto the AAV.
17. Direct crew assistance rendered to the AAV mechanics as required to bleed the hydraulic system of the MK154 Launcher once it is fully installed onto the AAV.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09962A

ADMINISTRATIVE INSTRUCTIONS:

1. Tools and equipment required IAW TM09962A-13-P/2.
 2. AAV must be on stable and level ground/surface.
 3. Shipping container checklist has been successfully completed.
 4. Overhead clearance is unrestricted and ground space is available IAW TM 09674A-10/3 and TM 07007B-10.
-

TASK: 1833.9.2 CONDUCT OPERATIONAL CHECKS OF THE MK15 LAUNCHER AS INSTALLED ON THE AAVP7A1

CONDITION(S): Given an AAVP7A1 with crew, an installed MK154 Launcher, appropriate manuals, tools and supplies.

STANDARD: The MK154 Launcher will be operationally checked per the references.

PERFORMANCE STEPS:

1. Supervise crew in conducting hydraulic fluid level check.
2. Supervise crew in conducting manual operation test.
3. Supervise crew in conducting powered operation test.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09962A

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.9.3 SUPERVISE INSTALLATION OF ROCKET MOTORS MK 22, MOD 3/4 ON THE MK154 LAUNCHER

CONDITION(S): Given an AAVP7A1 with crew, an installed MK154 Launcher, three MK22 MOD3 rocket motors, three MK22 MOD4 rocket motors, appropriate manuals, tools and supplies.

STANDARD: The rockets shall be loaded onto the launcher rails and prepared for launch per the references.

PERFORMANCE STEPS:

1. Direct the inspection of the rocket motors.
2. Ensure the AAV crew handles the rocket motors in a safe manner per the references at all times.
3. Supervise the loading of the rocket motors onto the launcher platform rails per the references.
4. Supervise the installation of the rocket bridle cables.
5. Direct the installation of the rocket motor electrical connections.
6. Ensure that the installed rockets are NOT made thrust positive until employment of the MK 154.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, AAV Model 7A1, P7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09962A

ADMINISTRATIVE INSTRUCTIONS:

1. It is CRITICAL that the TM sequence of steps be followed for safety's sake.
-

TASK: 1833.9.4 SUPERVISE THE LOADING OF THE LINE CHARGES INTO AN AAVP7A1 EQUIPPED WITH A MK154 LAUNCHER

CONDITION(S): Given a MK154 launcher-equipped AAVP7AI with crew, three line charges, an AAVR7A1 with crew or trained AAV mechanics with a 5-ton-capable lifting source and appropriate manuals, tools and supplies.

STANDARD: The line charges will be inspected, fused, and loaded into the AAVP7A1 so that all electrical and mechanical connections are made, and the system is prepared for firing.

PERFORMANCE STEPS:

1. Direct the inspection of the line charges.
2. Ensure the safe fusing of the line charges
3. Ensure that the crew demonstrates proper hand signals and voice commands during the loading procedure.
4. Supervise the loading of three line charges (either method may be used, both must be mastered):
 - a. Through the ramp opening.
 - b. Through the cargo door opening.

Direct the installation of the tie-down assemblies.

5. Ensure that the installed rockets are made thrust positive ONLY if MK 154 is to be employed!
6. Ensure that the electrical connections are safely completed.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09662A

ADMINISTRATIVE INSTRUCTIONS:

1. It is CRITICAL that the TM sequence of steps be followed for safety's sake.
-

TASK: 1833.9.5 SUPERVISE THE OPERATION OF THE MK1 MODO Mine Clearance System (MCS)

CONDITION(S): Given a MK1 MOD 0 Mine Clearance System with crew, and appropriate manuals, tools and supplies.

STANDARD: The MK1 MOD 0 Mine Clearance System will be operated in the littoral area and ashore so that up to three line charges are successfully launched and detonated on the correct path or direction.

PERFORMANCE STEPS:

1. Supervise the crew performance of Before Operations Preventive Maintenance Checks and Services (PMCS).
2. Supervise the crew in making the rockets thrust positive.

3. Direct the crew in raising the launcher platform to the "safe to launch" angle (either method may be used, both must be mastered):
 - a. In the normal operation mode.
 - b. Manually.
4. Ensure the crew completes the rocket motor launch sequence properly for each rocket motor.
5. Ensure the crew safely detonates the deployed line charge(s).
6. Direct the crew in conducting immediate actions for failure of the rocket motor to deploy.
7. Direct the crew in conducting immediate actions for failure of the line charge to detonate.
8. Supervise the crew performance of During Operations Preventive Maintenance Checks and Services (PMCS).
9. Supervise the crew performance of After Operations Preventive Maintenance Checks and Services (PMCS).

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09662A

ADMINISTRATIVE INSTRUCTIONS: (NONE)

TASK: 1833.9.6 SUPERVISE THE UNLOADING OF THE LINE CHARGES FROM AN AAVP7A1 THAT IS CONFIGURED AS A MK1 MOD 0 MINE CLEARANCE SYSTEM (MCS)

CONDITION(S): Given a MK1 MODO MCS with crew, an AAVR7AI with crew or trained AAV mechanics with a 5-ton-capable lifting source and appropriate manuals, tools and supplies.

STANDARD: The line charges will be removed from the MK1 MODO MCS so that all electrical, mechanical and hydraulic disconnections are made, the line charges are defuzed, and the line charges and ancillary attachments are properly stored.

PERFORMANCE STEPS:

1. Ensure that the rocket motors are made thrust neutral.
2. Ensure that the electrical disconnections are safely completed.
3. Ensure the safe defusing of the line charges.
4. Direct the removal of the tie-down assemblies.
5. Ensure that the crew demonstrates proper hand signals and voice commands during the unloading procedure.
6. Supervise the unloading of three line charges (either method may be used, both must be mastered):
 - a. Through the ramp opening.
 - b. Through the cargo door opening.
7. Direct the inspection of the line charges prior to storage.

8. Ensure the proper storage of the line charges.
9. Direct the proper storage of the tie-down cables and Forward and Aft Guards.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09662A

ADMINISTRATIVE INSTRUCTIONS: (None).

TASK: 1833.9.7 SUPERVISE THE DISMOUNTING OF THE MK22 MOD 3/4 ROCKET MOTORS FROM A MK154 LAUNCHER INSTALLED ON AN AAVP7A1

CONDITION(S): Given an AAVP7A1 with crew, an installed MK154 Launcher, three MK22 MOD3 rocket motors, three MK22 MOD4 rocket motors, appropriate manuals, tools and supplies.

STANDARD: The rockets shall be safely dismounted from the launcher and stored per the references.

PERFORMANCE STEPS:

1. Direct the inspection of the rocket motors.
2. Ensure that the rocket motors have been made thrust neutral.
3. Direct the disconnection of the rocket motor electrical connections.
4. Supervise the removal and inspection of the rocket bridle cables.
5. Supervise the removal of the rocket motors from the launcher platform rails per reference (1) below.
6. Ensure the proper storage of the removed rocket motors.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09962A

ADMINISTRATIVE INSTRUCTIONS:

1. Ensure the AAV crew handles the rocket motors in a safe manner per the references at all times.
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TASK: 1833.9.8 SUPERVISE THE REMOVAL OF AN INSTALLED MK154 LAUNCHER FROM AN AAVP7A1

CONDITION(S): Given an crewed AAVP7A1 with an installed MK 154 Launcher, an AAVR7A1 with crew or trained AAV mechanics with a 5-ton-capable lifting source, the unique shipping container for the MK154, appropriate manuals, tools and supplies.
(What manuals, tools, supplies, other prerequisites are required in order to perform this task?, How much space do you need?, Does it need to be stable?, flat?, Clean?, Temperature? ETC.)

STANDARD: The MK154 Launcher will be removed from the AAVP7A1 so that all electrical, mechanical and hydraulic disconnections are made, the MK154 is properly stored and the AAV is returned to its original configuration.

PERFORMANCE STEPS:

1. Direct crew assistance rendered to the AAV mechanics as required in the removal of the MK154 Launcher from the AAV.
2. Direct the removal of the power cable.
3. Direct the removal of the Pallet and Rail Assembly.
4. Direct the removal of the Arm Switch Assembly.
5. Direct the removal of the control box.
6. Direct the removal of the W12 and W14 Wiring Harnesses.
7. Direct the removal of the Mast Assembly.
8. Direct the removal of the Housing and Door Assembly.
9. Direct the removal of the Forward Pallet Assembly
10. Direct the removal, inspection and stowage of additional Launcher Components:
 - a. Forward starboard guard
 - b. Forward and aft guards.
 - c. Blasting machine, M34.
 - d. M51 blasting cap test set.
 - e. Remote firing harness.
 - f. Rope.
 - g. Block and tackle.
 - h. Tie down assemblies.
 - i. Communications Cable.
 - j. Ramp Strap Assembly
11. Inspect the MK 154 Launcher prior to storing in the shipping container.
12. Replace the AAV bolts which were removed to install the MK 154 Launcher.

REFERENCE(S):

1. TM 09962A-13-P/2, Launcher, Mine Clearance, Mark 1 Mod 0
2. TM 09674A-10/3, Operator's Manual, Assault Amphibian Vehicle, Model 7A1, AAVP7A1
3. TM 09962A-10/1, Operation Instruction Charts, Mark 1, Mod 0 Mine Clearance System
4. SL-3-09962A

ADMINISTRATIVE INSTRUCTIONS:

1. Tools and equipment required IAW TM09962A-13-P/2.
 2. AAV must be on stable and level ground/surface.
 3. Shipping container checklist will be successfully completed.
 4. Overhead clearance is unrestricted and ground space is available IAW TM 09962A-13-P/2 and TM 09674A-10/3.
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Appendix B to
ENCLOSURE (6)

6-B-72